

SOLICITATION, OFFER AND AWARD			1. This Contract Is A Rated Order Under DPAS (15 CFR 700)		Rating DOA4	Page 1 of 37
2. Contract No.		3. Solicitation No. W56HZV-04-R-0132		4. Type of Solicitation Negotiated (RFP)	5. Date Issued 2003NOV26	6. Requisition/Purchase No. SEE SCHEDULE
7. Issued By TACOM WARREN BLDG 231 AMSTA-AQ-ABGA WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL			Code W56HZV	8. Address Offer To (If Other Than Item 7)		

SOLICITATION NOTE: In sealed bid solicitations 'offer' and 'offeror' mean 'bid' and 'bidder'.

9. Sealed offers in original and 1 signed copies for furnishing the supplies or services in the Schedule will be received at the place specified in item 8, or if handcarried, in the depository located in _____ until _____ (hour) local time 2003DEC30 (Date).

Caution - Late Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. For Information Call:	Name ROSALIE WILLIAMSON E-mail address: WILLIARO@TACOM.ARMY.MIL	Telephone No. (Include Area Code) (NO Collect Calls) (586) 574-8089
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OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. Discount For Prompt Payment
(See Section I, Clause No. 52.232-8)

14. Acknowledgment of Amendments (The offeror acknowledges receipt of amendments to the Solicitation for offerors and related documents numbered and dated:

Amendment Number	Date	Amendment Number	Date

15A. Contractor/Offeror/Quoter	Code	Facility	16. Name and Title of Person Authorized to Sign Offer (Type or Print)
15B. Telephone Number (Include Area Code)	15C. Check if Remittance Address is <input type="checkbox"/> Different From Blk 15A- Furnish Such Address In Offer	17. Signature	18. Offer Date

AWARD (To be completed by Government)

19. Accepted As To Items Numbered	20. Amount	21. Accounting And Appropriation	
22. Authority For Using Other Than Full And Open Competition: <input type="checkbox"/> 10 U.S.C. 2304(c)() <input type="checkbox"/> 41 U.S.C. 253(c)()		23. Submit Invoices To Address Shown In (4 copies unless otherwise specified)	Item
24. Administered By (If other than Item 7)	Code	25. Payment Will Be Made By	Code
SCD PAS ADP PT			
26. Name of Contracting Officer (Type or Print)		27. United States Of America _____ (Signature of Contracting Officer)	28. Award Date

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

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Name of Offeror or Contractor:

SECTION A - SUPPLEMENTAL INFORMATION

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
A-1	52.204-4016 (TACOM)	TACOM-WARREN ELECTRONIC CONTRACTING	JUL/2003
<p>(a) TACOM is now operating in an electronic contracting environment. All TACOM solicitations and awards are now distributed on the TACOM Warren Business Opportunities web page (http://contracting.tacom.army.mil/opportunity.htm) and are no longer available in hard copy. The TDPs and other documents, when available electronically, will be an attachment or linked to the solicitation package on the web. Please see submission guidelines at http://contracting.tacom.army.mil/userguide.htm and http://contracting.tacom.army.mil/ebidnotice.htm for more information. Any requirements included in the solicitation take precedence over guidance found on the TACOM contracting web page.</p> <p>(b) You may need to use special software to view documents that we post on the home page. This viewing software is freeware, available for download at no cost from commercial web sites like Microsoft and Adobe. In cases where such software is required, we provide a link from our page to the commercial site where the software is available. Once you arrive at the software developer's site, follow their instructions to download the free viewer. You then can return to the TACOM home page.</p> <p>(c) You are required to submit your offer, bid, or quote electronically. See the provision entitled "Electronic Offers (or 'Quotes' or 'Bids') Required in Response to This Solicitation (or 'Request for Quotations')" for more specific information.</p> <p>(d) Any award issued as a result of this solicitation will be distributed electronically. Awards posted on the TACOM Warren Business Opportunities web page represent complete OFFICIAL copies of contract awards and will include the awarded unit price. This is the notice required by Executive Order 12600 (June 23, 1987) of our intention to release unit prices in response to any request under the Freedom of Information Act (FOIA), 5 USC 552. Unit price is defined as the contract price per unit or item purchased as it appears in Section B of the contract and is NOT referring to nor does it include Cost or Pricing data/information. If you object to such release, and you intend on submitting an offer, notify the PCO in writing prior to the closing date identified in this solicitation and include the rationale for your objection consistent with the provisions of FOIA. A release determination will be made based on rationale given.</p> <p>(e) If you have questions or need help in using the Acquisition Center Home Page, call our Electronic Contracting Help Desk at (586) 574-7059, or send an email message to: acqcenweb@tacom.army.mil</p> <p>(f) If you have questions about the content of any specific item posted on our home page, please call the buyer or point of contact listed for the item. Additional help is available to small businesses from Government-funded Electronic Commerce Regional Centers (ECRCs) to implement EDI. Information on ECRC is available at http://www.ecrc.ctc.com</p> <p>[End of Clause]</p>			

A-2	52.215-4854 (TACOM)	PAPERLESS ELECTRONIC RESPONSES REQUIRED IN RESPONSE TO THIS SOLICITATION/REQUEST	JUL/2002
<p>TACOM WILL NOT ACCEPT PAPER OFFERS IN RESPONSE TO THIS SOLICITATION/REQUEST. YOU ARE REQUIRED TO SUBMIT YOUR OFFER, BID, OR QUOTE VIA PAPERLESS ELECTRONIC MEDIA. SEE THE PROVISION ENTITLED "ELECTRONIC OFFERS (OR 'QUOTES' OR 'BIDS') REQUIRED IN RESPONSE TO THIS SOLICITATION (OR 'REQUEST FOR QUOTATIONS')" FOR MORE SPECIFIC INFORMATION.</p> <p>[End of Clause]</p>			

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>SERVICES LINE ITEM</u></p> <p>SECURITY CLASS: Unclassified</p> <p>The contractor shall furnish all the supplies and services to accomplish the task specified in Section C "Scope of Work"</p> <p>Total Cost: \$</p> <p>(End of narrative B001)</p>				
0002	<p><u>DATA ITEM</u></p> <p>SECURITY CLASS: Unclassified</p> <p>Tehcnical Data as set forth in Contract Data Requirements List (DD Form 1423) hereinafter referred to as Exhibit A</p> <p>(End of narrative B001)</p>			Not Separately Priced	

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B.1 ESTIMATED COST AND PAYMENT

B.1.1 The estimated cost for performance of the work under this contract is set forth in the Schedule, Section B. In consideration of performance of the work specified under each CLIN, the Government anticipates paying the Contractor the Estimated Cost amount shown. The amount shown initially includes the basic contract effort, and will be revised by the Government as appropriate. The estimated cost of CLIN 0001 shall constitute the estimated cost for the purpose of the Contract Clause entitled "Limitation of Cost", but neither the Government nor the Contractor guarantee the accuracy of said estimates.

B.1.2 Allowable cost shall be determined, and payment thereof shall be provided, in accordance with the Contract Clause hereof entitled "Allowable Cost and Payment".

B.2 FUNDING

B.2.1 The Contractor shall notify the Government in accordance with the Contract Clause hereof entitled "LIMITATION OF COST", whenever there is reason to believe that the funds allotted to this Contract are either insufficient or excessive for the performance of the work required.

*** END OF NARRATIVE B 001 ***

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT
C.1 INTRODUCTION

This project seeks to increase the level of Jidoka or autonomation (autonomous operation) in automobiles. The concept of Jidoka is one of the pillars of the Toyota Production System and refers to automation with a human element. The Toyota innovation was the use of a sensor for stopping a power loom when the shuttlecock became stuck, thus preventing further damage to the fabric. This emulated the way a human weaver would respond to an initial defect.

In much the same way, todays automobiles contain a multitude of sensors that either warn the operator of problems with the vehicle or automatically correct the problem. In fact, the On-Board Diagnostic II system in GM vehicles has on the order of 2000 codes for monitoring various vehicle conditions. While many automobile sensor systems are at a mature technology level, there are also many that are more recent innovations. Among the latter are the Anti-lock Braking System (ABS) and the related Traction Control System (TCS) and Stability Control System (SCS). All these rely on information about how the vehicle is moving through space and interacting with the ground. The ABS and TCS systems work by determining when the tires are slipping, which is accomplished by comparing the wheel rotation speed with the vehicle speed. SCS systems generally require a yaw sensor to determine sideways motion of the car. Some luxury carmakers are also adding these types of sensors to their vehicles to aid in suspension performance.

The purpose of this project is to research sensors involved in the ABS, TCS and SCS systems and investigate their integration into the Next Generation Electrical Architecture (NGEA), developed by the Contractor under contract DAAE07-99-3-0011. The NGEA is an evolving architecture that seeks to provide a user interface to the electrical systems in commercial and military vehicles. The NGEA provides both monitoring and control of the vehicles electrical system via a computer interface. The sensor research in this effort involves determination of the type of surface and road conditions that the car is traveling over. For example, the application of ABS would be more effective if the surface conditions were known. ABS does not perform effectively on ice, gravel, or deep snow, where a certain amount of sliding is beneficial and where a human driver would know this and use it to their advantage.

- C.1.1 The Contractor, acting as an independent Contractor and not as an agent of the Government, shall provide the necessary personnel, facilities, materials and services to complete the tasks outlined below.
- C.1.2 The Contractor shall research, develop, and deliver to the Government a system for determining the road type and conditions that a vehicle is traversing or about to traverse, as well as the vehicles motion, orientation and the amount of tire slip.

C.2 SCOPE OF WORK

- C.2.1 The Contractor shall research, develop and deliver a prototype system that will provide slip and stability information for a standard sized automobile and that can perform the following functions and possesses the following performance specifications:
 - C.2.1.1 The system shall provide tire slip for each of the four tire at an update rate of 10 Hz or better, with an accuracy of 99% or better.
 - C.2.1.2 The system shall provide longitudinal and yaw motion of the vehicle at an update rate of 10 Hz or better, with an accuracy of 99% or better.
 - C.2.1.3 The system shall provide the steering angle at an update rate of 10 Hz or better, with an accuracy of 99% or better.
 - C.2.1.4 Components shall be as inexpensive as possible, while still maintaining performance specifications.
 - C.2.1.5 The system shall be integrated into the Next Generation Electrical Architecture, previously developed by the Contractor.
 - C.2.1.6 The system shall display information to the operator on an automotive-grade computer monitor at an update rate of 10 Hz or better.
 - C.2.1.7 The system shall operate within performance specifications at vehicle speeds from 0 to 120 Kph and in normal weather conditions such as sun, rain, sleet, and snow.
 - C.2.1.8 The system shall continuously monitor the sensors for malfunction and display a warning when a fault occurs.
 - C.2.1.9 The system shall not interfere with the normal operation of the vehicle, nor pose a hazard to the vehicle, its operators, or others.
 - C.2.1.10 The system shall be packaged in accordance with industry standards.
 - C.2.1.11 The system shall log the raw output of the sensors and the information displayed to the operator to a computer file. This data shall be stored and accessible for the past 36 hours of operation or longer. All logged data shall be time-stamped to the nearest 0.01 second.

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C.2.1.12 The system shall be installed on a commercial automobile, provided by the Contractor, and complete and proper execution shall be demonstrated. Demonstration of weather resistance may be accomplished through simulation.

C.2.2 The Contractor shall modify the above system and research, develop and deliver an enhanced prototype system that can detect road surface conditions and that, in addition to the functions and performance specifications in C.2.1, can perform the following functions and possesses the following performance specifications:

C.2.2.1 The system shall be able to detect and differentiate the following road surfaces that the vehicle is traversing or about to traverse: pavement/concrete, dirt, and gravel.

C.2.2.2 The system shall be able to detect and differentiate the following road conditions that the vehicle is traversing or about to traverse on each of the road surfaces in C.2.2.1: dry, wet, and icy

C.2.2.3 The system shall be able to detect and differentiate the following road surface/conditions that the vehicle is traversing or about to traverse: sand/gravel on pavement/concrete.

C.2.2.4 The road surface/condition prediction accuracy in C.2.2.1 through C.2.2.3 shall be 95% or better with a sampling time of two (2) seconds or less.

C.2.2.5 The system shall provide longitudinal and lateral motion, together with yaw, pitch and roll motion, of the vehicle at an update rate of 10 Hz or better, with an accuracy of 99% or better.

C.3 MEETINGS

C.3.1 The Contractor shall plan and conduct a one (1) day kick-off meeting within 30 days after Contract award. At the meeting, The Contractor shall, at a minimum, discuss plans for accomplishing the research in this project.

C.3.2 The Contractor shall plan and conduct semi-annual progress review meetings. At the meetings, the Contractor shall, at a minimum, discuss progress to date, and plans for completing the project.

C.3.3 The Contractor shall plan and conduct two (2) hardware demonstrations. The demonstrations shall be held in conjunction with the corresponding semi-annual progress review meetings. The first hardware demonstration shall take place six (6) months after contract award and shall demonstrate the initial system in C.2.1. The second hardware demonstration shall take place at the conclusion of the contract and shall demonstrate the enhanced system in C.2.2.

C.3.4 All meetings shall be held at U.S. Army TARDEC, Warren, MI, unless an alternate site is agreed upon by both the Contractor and the COR.

C.4 DELIVERABLES

C.4.1 The Contractor shall submit bi-monthly progress reports, in accordance with (IAW) Contract Data Requirements List (CDRL), DD Form 1423, Data Item No. A001.

C.4.2 The Contractor shall prepare and submit an "Initial System Requirements Document" one (1) month after Contract award, IAW CDRL (DD Form 1423), Data Item No. A002. This document shall address system requirements for obtaining the system functions and performance specifications in Section C.2.1 above, including all necessary components and their performance requirements..

C.4.3 The Contractor shall prepare and submit a "Initial System Design Document" three (3) months after Contract award, IAW CDRL (DD Form 1423), Data Item No. A003. This document shall provide a system design for obtaining the system functions and performance specifications in Section C.2.1 above, including specific components, their interface and performance specifications and predicted and predicted performance of the overall system.

C.4.4 The Contractor shall prepare and submit a "Final System Requirements Document" eight (8) month after Contract award, IAW CDRL (DD Form 1423), Data Item No. A004. This document shall address system requirements for obtaining the system functions and performance specifications in Section C.2.2 above, including all necessary components and their performance requirements.

C.4.5 The Contractor shall prepare and submit a "Final System Design Document" twelve (12) months after Contract award, IAW CDRL (DD Form 1423), Data Item No. A005. This document shall provide a system design for obtaining the system functions and performance specifications in Section C.2.2 above, including specific components, their interface and performance specifications, and predicted performance of the overall system..

C.4.6 The Contractor shall prepare and submit an "Interim Scientific and Technical Report" twelve (12) months after Contract award, IAW CDRL (DD Form 1423), Data Item No. A006. This report shall address the technical information referenced in Section C.2 above, to date, as well as funds and labor hours expended for the past year, and plans for the next year. This report will take the place of the

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"Contractor's Progress, Status, and Management Report" for that bi-monthly reporting period.

C.4.7 The Contractor shall prepare and submit a "Final Scientific and Technical Report," IAW CDRL (DD Form 1423), Data Item No. A007. This report shall address all the technical information concerning the road/vehicle sensing system described in Section C.2 above, including the results of all tests performed on the system, technical specifications and diagrams of all components of the system, and instructions detailing the operation of all delivered software and hardware.

C.4.8 The Contractor shall deliver to the Government the complete road/vehicle sensing system, both hardware and software, as referenced in Section C.2 above, at the end of the contract. The delivered system shall be capable of all functions and performance specifications described in paragraph C.2 above.

*** END OF NARRATIVE C 001 ***

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Name of Offeror or Contractor:

SECTION D - PACKAGING AND MARKING

PACKAGING AND MARKING

D.1 Packaging and Packing

All items delivered under this contract shall be packaged and packed in accordance with standard commercial practices, in order to assure arrival at Destination without damage or loss.

D.2 Marking

The contractor shall ensure that all technical data, deliverable under this contract, is identified by the contractor's name and address and, where applicable, the name and address of the subcontractor who generated the data.

*** END OF NARRATIVE D 001 ***

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SECTION E - INSPECTION AND ACCEPTANCE

	Regulatory Cite	Title	Date
E-1	52.246-9	INSPECTION OF RESEARCH AND DEVELOPMENT (SHORT FORM)	APR/1984

E.1 The Contracting Officer's Representative (COR) is responsible for inspecting and accepting or rejecting all hardware, software, and reports submitted by the Contractor to the Government, at destination, in accordance with the terms of the Contract.

*** END OF NARRATIVE E 001 ***

Name of Offeror or Contractor:

SECTION F - DELIVERIES OR PERFORMANCE

	Regulatory Cite	Title	Date
F-1	52.242-15	STOP WORK ORDER--(ALTERNATE I dated APR 1984)	AUG/1989
F-2	52.247-34	F.O.B. DESTINATION	NOV/1991

F.1 Delivery

F.1.1 All items called for in this contract shall be delivered FOB Destination to:

U.S. Army Tank-automotive and Armaments Command
ATTN: AMSTA-TR-R, MS 263, Robert E. Karlsen
6501 E. 11 Mile Rd.
Warren, Michigan 48397-5000

F.1.2 Delivery of Data set forth in the Contract shall be in accordance with DD Form 1423 (Section J).

F.1.3 The complete road/vehicle sensing system, including both hardware and software, as described in C.2 shall be delivered to the Government at the end of contract performance.

F.2 Performance

The period of performance of the contract shall be twenty four (24) months from the date of award, including submission of the final technical report and the final briefing.

*** END OF NARRATIVE F 001 ***

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SECTION G - CONTRACT ADMINISTRATION DATA

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
G-1	52.242-4016 (TACOM)	COMMUNICATIONS	MAY/2000

(a) Communications on technical matters pertaining to the contract shall be direct between the contractor and the Technical Representative. Communications for the Technical Representative shall be addressed to:

Name: Robert Karlsen
e-mail: karlsenr@tacom.army.mil

(b) The Administrative Contracting Officer's (ACO) name and email address are also provided if known at this time:

ACO: Andrew Cole
e-mail: colea@onr.navy.mil

(c) Please see the appointment letters prepared at time of contract award for functions the Technical Representative and ACO will perform on this contract.

[End of Clause]

G-2	252.201-7000	CONTRACTING OFFICER'S REPRESENTATIVE	DEC/1991
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(a) Definition. Contracting Officer's Representative means an individual designated in accordance with subsection 201.602-2 of the Defense Federal Acquisition Regulation Supplement and authorized in writing by the contracting officer to perform specific technical or administrative functions.

(b) If the Contracting Officer designates a contracting officer's representative (COR), the Contractor will receive a copy of the written designation. It will specify the extent of the COR's authority to act on behalf of the contracting officer. The COR is not authorized to make any commitments or changes that will affect price, quality, quantity, delivery, or any other term or condition of the contract.

[End of Clause]

G-3	52.227-4004 (TACOM)	RELEASE OF INFORMATION	OCT/2003
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The contractor shall ensure that he complies with the requirements of Chapter 5, page 22, paragraph 5-48, of AR 360-1, The Army Public Affairs Program, dated 15 Oct 2000, prior to contemplated release of any procurement information. Approval of the Contracting Officer is required prior to release of any such information. AR 360-1 may be found at http://www.usapa.army.mil/pdffiles/r360_1.pdf.

[End of clause]

G-4	52.232-4005 (TACOM)	INVOICE INFORMATION REQUIREMENT	JAN/1988
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On each payment request submitted, the Contractor shall identify each affected Contract Line Item Number (CLIN), sub-CLIN, and/or work directive, together with the related dollar amounts. This requirement does not diminish or restrict any other requirement of this contract.

G.1 SPECIAL PAYING INSTRUCTIONS: PAY OLDEST MONEY FIRST WITHIN EACH CLIN

G.1.1 This contract currently is funded (or later will be funded) by two or more separate funding documents, as shown in Section G of the contract by the presence of more than one long-line accounting classification and accounting classification reference number (ACRN) for the Contract Line Item Numbers (CLINs) in the contract schedule. The funding represents (or later will represent) appropriations made available for obligation in more than one fiscal year.

G.1.2 In order for disbursements under the contract to be paid appropriately, the following requirements apply to the paying office:

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G.1.3 The PAYING OFFICE: The major effort on this contract is described under one or more four-digit CLINs. Each four-digit CLIN has at least one six-digit contract subline and ACRN. The contract is funded at the subline level. When the contractor submits an invoice (which will specify one or more four-digit CLINs against which payment is being requested), DFAS will make payment for each invoiced CLIN using the oldest money available under the six-digit subline(s) associated with the specified four-digit CLIN(s).

G.1.3.1 Example One:

The contractor submits an invoice in the total amount of \$150,000. The contractor further identifies \$100,000 is for effort performed under CLIN 0003, and \$50,000 is for effort performed under CLIN 0004. The contract also shows sublines 0003AA with FY01 funds, 0003AB with FY00 funds, 0004AA with FY01 funds and 0004AB with FY02 funds. Payment will be made as follows:

For the \$100,000 effort under CLIN 0003, make disbursement from 0003AB until fully disbursed then begin disbursing from 0003AA.

For the \$50,000 effort under CLIN 0004, make disbursement from 0004AA until fully disbursed then begin disbursing from 0004AB.

G.1.3.1 Example Two:

The contractor submits an invoice in the total amount of \$200,000. The contractor further identifies \$50,000 is for effort performed under CLIN 0003, and \$150,000 is for effort performed under CLIN 0004. The contract also shows sublines 0003AA and 0003AB, which are both funded with FY00 funds, 0004AA with FY01 funds and 0004AB with FY02 funds. Payment will be made as follows:

For the \$50,000 effort under CLIN 0003, make disbursement equally from both CLIN 0003AA and 0003AB since they are the same year money.

For the \$150,000 effort under CLIN 0004, make disbursement from CLIN 0004AA until fully disbursed then begin disbursing from CLIN 0004AB EVEN IF THERE IS STILL OLDER MONEY REMAINING ON CLIN 0003AA.

G.2 SPECIAL BILLING INSTRUCTIONS: BILL TO THE FOUR DIGIT LINE ITEM

G.2.1 The CONTRACTOR shall bill costs against the four digit CLIN as shown in Section B of this award. This four digit CLIN shall be identified on each invoice or payment voucher submitted against this contract for payment and shall correspond with the effort performed. Additionally, the contractor shall also list all the associated six digit SubCLIN(s) under the specified four-digit CLIN(s) for which payment is being requested, and for which funding has been obligated, stating that DFAS is to pay from SubCLIN(s) in accordance with the special payment instructions specified in G.1.

*** END OF NARRATIVE G 001 ***

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SECTION H - SPECIAL CONTRACT REQUIREMENTS

	Regulatory Cite	Title	Date
H-1	252.204-7000	DISCLOSURE OF INFORMATION	DEC/1991
H-2	252.204-7002	PAYMENT FOR SUBLINE ITEMS NOT SEPARATELY PRICED	DEC/1991
H-3	252.205-7000	PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS	DEC/1991
H-4	252.225-7001	BUY AMERICAN ACT AND BALANCE OF PAYMENTS PROGRAM	APR/2003
H-5	252.225-7002	QUALIFYING COUNTRY SOURCES AS SUBCONTRACTORS	APR/2003
H-6	252.225-7004	REPORTING OF CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES	APR/2003
H-7	252.225-7013	DUTY-FREE ENTRY	APR/2003
H-8	252.231-7000	SUPPLEMENTAL COST PRINCIPLES	DEC/1991
H-9	252.235-7011	FINAL SCIENTIFIC OR TECHNICAL REPORT	SEP/1999
H-10	252.242-7004	MATERIAL MANAGEMENT AND ACCOUNTING SYSTEM	DEC/2000
H-11	252.246-7000	MATERIAL INSPECTION AND RECEIVING REPORT	MAR/2003
H-12	252.246-7001	WARRANTY OF DATA	DEC/1991
H-13	252.225-7003	REPORT OF INTENDED PERFORMANCE OUTSIDE THE UNITED STATES	APR/2003
(a) The offeror shall submit a Report of Contract Performance Outside the United States, with its offer, if-			
(1) The offer exceeds \$10 million in value; and			
(2) The offeror is aware that the offeror or a first-tier subcontractor intends to perform any part of the contract outside the United States and Canada that-			
(i) Exceeds \$500,000 in value; and			
(ii) Could be performed inside the United States or Canada.			
(b) Information to be reported includes that for-			
(1) Subcontracts;			
(2) Purchases; and			
(3) Intracompany transfers when transfers originate in a foreign location.			
(c) The offeror shall submit the report using-			
(1) DD Form 2139, Report of Contract Performance Outside the United States; or			
(2) A computer-generated report that contains all information required by DD Form 2139.			
(d) The offeror may obtain a copy of DD Form 2139 from the Contracting Officer.			
(End of provision)			
H-14	252.227-7039	PATENTS -- REPORTING OF SUBJECT INVENTIONS	APR/1990
The Contractor shall furnish the Contracting Officer the following:			
(a) Interim reports every twelve (12) months (or such longer period as may be specified by the Contracting Officer) from the date of the contract, listing subject inventions during that period and stating that all subject inventions have been disclosed or that there are no such inventions.			
(b) A final report, within three (3) months after completion of the contracted work, listing all subject inventions or stating that there were no such inventions.			
(c) Upon request, the filing date, serial number and title, a copy of the patent application and patent number, and issue data for any subject invention for which the Contractor has retained title.			
(d) Upon request, the Contractor shall furnish the Government an irrevocable power to inspect and make copies of the patent application file.			
(End of clause)			
H-15	52.204-4005 (TACOM)	REQUIRED USE OF ELECTRONIC CONTRACTING	DEC/2002
(a) All contract awards, modifications and delivery orders issued by TACOM will be issued electronically. The contractor has the option to receive these actions either via the Worldwide Web (WWW) or Electronic Data Interchange (EDI). Many provisions and clauses appear "by reference," meaning only clause titles and regulation site are listed; their full texts can be found at the website http://farsite.hill.af.mil/			
(b) In order to be eligible to receive an award under this solicitation, the successful offeror must be registered with the Department of Defense (DOD) Central Contractor Registration (CCR). The CCR registration process may be done electronically at the World			

Name of Offeror or Contractor:

Wide Web (WWW) site: <http://www.ccr.gov/> . (In order to be registered to use EDI, you must use the long form for registration. Certification information, including information on the EDI 838 TPP, must be furnished to the Contracting Officer within 60 calendar days after contract award to complete networking requirements within the Government.)

(c) Worldwide Web Distribution. The contractor will receive an electronic Notice of the Award, Modification, or Delivery Order via e-mail. If you choose the WWW option, you must download the file from the appropriate TACOM webpage:

Warren: http://contracting.tacom.army.mil/awards_official.htm
Rock Island: <http://aais.ria.army.mil/AAIS/AWDINFO/index.htm>
Picatinny: <http://procnet.pica.army.mil/Contracts/Index.htm>
Red River Army Depot: <http://www.redriver.army.mil/contracting/Awards>
Anniston Army Depot: <http://www.anadprocnet.army.mil>

(d) Electronic Data Interchange. If you choose to receive contract awards, modifications and delivery orders through EDI, they will be delivered electronically via the Federal Acquisition Network (FACNET). Federal Standard Version 3050 of Standard X12 from the American National Standards Institute (ANSI) will be used as the format for these electronic transactions.

(1) You must complete the EDI 838 Trading Partner Profile, and must agree (i) to subcontract with a DoD certified VAN or Value Added Service (VAS) provider, or (ii) to become DoD certified as a Value Added Network (VAN). The EDI 838 Trading Partner Profile is contained in the basic CCR registration form and includes portions of the registration form which are titled "Optional".

(2) You must select a VAN from the official DoD approved list. DoD Certified VANs are listed at <http://www.acq.osd.mil/ec/ecip/index.htm> . If your VAN is later removed from the official list, or if you voluntarily drop your initially selected VAN, then you must switch to a VAN that remains on the official DoD approved list. You must maintain an active account on a DoD approved VAN for the entire duration of the contract, beginning no later than the 60th day after award.

(e) Unless otherwise specified elsewhere in the contract, all data items you are required to provide under this contract must be submitted electronically. Acceptable formats include:

(1) Microsoft* 97 Office Products (TACOM can currently read OFFICE 97* and lower.): Word, Excel, Powerpoint, or Access

(2) 100 OR 250 MEGABYTE ZIP*-DISK, 3 1/2 INCH DISK, OR 650 MEGABYTE CD ROM

(3) E-MAIL (Maximum size of each e-mail message is be three and one-half (3.5) megabytes).

(4) Other electronic formats. Before submitting your data in any other electronic format, please e-mail the buyer identified on the face of the contract, with e-mail copy-furnished to amsta-idg@tacom.army.mil, to obtain a decision as to the format's acceptability. This e-mail must be received by the buyer not later than ten calendar days before the required data submission date.

NOTE: The above formats may be submitted in compressed form using self-extracting files.

(f) Additional information can be obtained by sending a message to: acqcenweb@tacom.army.mil or by calling (586) 574-7059.

[End of Clause]

H-16 52.246-4026 LOCAL ADDRESSES FOR DD FORM 250
(TACOM)

MAR/2002

(a) The contractor must provide a copy of each Material Inspection and Receiving Report (DD 250) pertaining to this contract, to the addresses given below, using either of the following methods:

(1) Our first preference is for you to use electronic mail (e-mail), using the following e-mail address:

DD250@tacom.army.mil

(2) Our second preference is for you to use data facsimile (datafax) transmission, using this fax number:

(586) 574-7552 and use "DD250 mailbox" in the "to:" block of your fax cover or header sheet.

In either method, do not mix DD250s from more than one contract in a single transmission. That is, you may submit multiple DD250s in a single transmission, but they must all be against the same contract.

(b) These copies meet the requirements for the Purchasing Office copy and the Army Inventory Control Manager copy listed in tables 1 and 2 of DFARS Appendix F.

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(c) The DD250 form may be found, in three different formats, on the World Wide Web at <http://webl.whs.osd.mil/icdhome/DD-0999.htm>

[End of Clause]

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Name of Offeror or Contractor:

SECTION I - CONTRACT CLAUSES

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <http://farsite.hill.af.mil/>

[End of Clause]

	Regulatory Cite	Title	Date
I-1	52.202-1	DEFINITIONS	DEC/2001
I-2	52.203-3	GRATUITIES	APR/1984
I-3	52.203-5	COVENANT AGAINST CONTINGENT FEES	APR/1984
I-4	52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT	JUL/1995
I-5	52.203-7	ANTI-KICKBACK PROCEDURES	JUL/1995
I-6	52.203-8	CANCELLATION, RESCISSION AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY	JAN/1997
I-7	52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY	JAN/1997
I-8	52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	JUN/2003
I-9	52.204-4	PRINTING/COPYING DOUBLE-SIDED ON RECYCLED PAPER	AUG/2000
I-10	52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	JUL/1995
I-11	52.211-5	MATERIAL REQUIREMENTS	AUG/2000
I-12	52.215-2	AUDIT AND RECORDS - NEGOTIATIONS	JUN/1999
I-13	52.215-8	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT	OCT/1997
I-14	52.215-10	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA	OCT/1997
I-15	52.215-12	SUBCONTRACTOR COST OR PRICING DATA	OCT/1997
I-16	52.216-7	ALLOWABLE COST AND PAYMENT	DEC/2002
I-17	52.216-11	COST CONTRACT--NO FEE (ALTERNATE I (1984 APR))	APR/1984
I-18	52.219-8	UTILIZATION OF SMALL BUSINESS CONCERNS	OCT/2000
I-19	52.219-9	SMALL BUSINESS SUBCONTRACTING PLAN	JAN/2002
I-20	52.219-16	LIQUIDATED DAMAGES - SUBCONTRACTING PLAN	JAN/1999
I-21	52.222-1	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES	FEB/1997
I-22	52.222-3	CONVICT LABOR	JUN/2003
I-23	52.222-20	WALSH-HEALEY PUBLIC CONTRACTS ACT	DEC/1996
I-24	52.222-21	PROHIBITION OF SEGREGATED FACILITIES	FEB/1999
I-25	52.222-26	EQUAL OPPORTUNITY	APR/2002
I-26	52.222-35	AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA	DEC/2001
I-27	52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES	JUN/1998
I-28	52.222-37	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	DEC/2001
I-29	52.223-6	DRUG FREE WORKPLACE	MAY/2001
I-30	52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	JUN/2003
I-31	52.226-1	UTILIZATION OF INDIAN ORGANIZATIONS AND INDIAN-OWNED ECONOMIC ENTERPRISES	JUN/2000
I-32	52.227-1	AUTHORIZATION AND CONSENT (ALTERNATE I dated April 1984)	JUL/1995
I-33	52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT	AUG/1996
I-34	52.227-11	PATENT RIGHTS--RETENTION BY THE CONTRACTOR (SHORT FORM)	JUN/1997
I-35	52.228-7	INSURANCE--LIABILITY TO THIRD PERSONS	MAR/1996
I-36	52.232-17	INTEREST	JUN/1996
I-37	52.232-20	LIMITATION OF COST	APR/1984
I-38	52.232-23	ASSIGNMENT OF CLAIMS	JAN/1986
I-39	52.232-25	PROMPT PAYMENT	FEB/2002
I-40	52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER--CENTRAL CONTRACTOR REGISTRATION	OCT/2003
I-41	52.233-1	DISPUTES	JUL/2002
I-42	52.233-3	PROTEST AFTER AWARD -- (ALTERNATE I, dated JUN 1985)	AUG/1996
I-43	52.242-1	NOTICE OF INTENT TO DISALLOW COSTS	APR/1984
I-44	52.242-3	PENALTIES FOR UNALLOWABLE COSTS	MAY/2001
I-45	52.242-13	BANKRUPTCY	JUL/1995
I-46	52.243-2	CHANGES--COST-REIMBURSEMENT (ALTERNATE V, dated April 1984))	AUG/1987
I-47	52.243-7	NOTIFICATION OF CHANGES	APR/1984
I-48	52.244-2	SUBCONTRACTS (ALT I--AUG 1998)	AUG/1998
I-49	52.244-5	COMPETITION IN SUBCONTRACTING	DEC/1996
I-50	52.245-5	GOVERNMENT PROPERTY (COST-REIMBURSEMENT, TIME-AND-MATERIAL, OR LABOR-	JUN/2003

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	Regulatory Cite	Title	Date
		HOOR CONTRACTS) (Deviation, per DAR Tracking Number 99-00008, 13 July 99)	
I-51	52.246-23	LIMITATION OF LIABILITY	FEB/1997
I-52	52.249-6	TERMINATION (COST-REIMBURSEMENT)	SEP/1996
I-53	52.249-14	EXCUSABLE DELAYS	APR/1984
I-54	52.253-1	COMPUTER GENERATED FORMS	JAN/1991
I-55	252.203-7001	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE CONTRACT-RELATED FELONIES	MAR/1999
I-56	252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT	APR/1992
I-57	252.209-7000	ACQUISITION FROM SUBCONTRACTORS SUBJECT TO ON-SITE INSPECTION UNDER THE INTERMEDIATE-RANGE NUCLEAR FORCES (INF) TREATY	NOV/1995
I-58	252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY per DoD interim rule, Federal Register 27 Mar 98	MAR/1998
I-59	252.211-7005	SUBSTITUTIONS FOR MILITARY OR FEDERAL SPECIFICATIONS AND STANDARDS	FEB/2003
I-60	252.215-7000	PRICING ADJUSTMENTS	DEC/1991
I-61	252.219-7003	SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING PLAN (DOD CONTRACTS)	APR/1996
I-62	252.225-7014	PREFERENCE FOR DOMESTIC SPECIALTY METALS (ALT 1)	APR/2003
I-63	252.225-7016	RESTRICTION ON ACQUISITION OF BALL AND ROLLER BEARINGS	APR/2003
I-64	252.225-7017	PROHIBITION ON AWARD TO COMPANIES OWNED BY THE PEOPLE'S REPUBLIC OF CHINA	FEB/2000
I-65	252.225-7031	SECONDARY ARAB BOYCOTT OF ISRAEL	APR/2003
I-66	252.227-7013	RIGHTS IN TECHNICAL DATA -- NONCOMMERCIAL ITEMS (ALT I)	JUN/1995
I-67	252.227-7030	TECHNICAL DATA--WITHHOLDING OF PAYMENT	MAR/2000
I-68	252.227-7034	PATENTS--SUBCONTRACTS	APR/1984
I-69	252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT	MAR/1998

I-70 52.222-2 PAYMENT FOR OVERTIME PREMIUMS JUL/1990
(a) The use of overtime is authorized under this contract if the overtime premium cost does not exceed \$0 or the overtime premium is paid for work--

- (1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdown of production equipment, or occasional production bottlenecks of a sporadic nature;
- (2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;
- (3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or
- (4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall--

- (1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;
- (2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;
- (3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and
- (4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

(End of clause)

I-71	52.223-11	OZONE-DEPLETING SUBSTANCES	MAY/2001
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(a) Definition. Ozone-depleting substance, as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR part 82 as--

- (1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or
- (2) Class II, including but not limited to, hydrochlorofluorocarbons.

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(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j(b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

WARNING: Contains (or manufactured with, if applicable) _____ * _____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.

*The Contractor shall insert the name of the substance(s).

[End of Clause]

I-72 52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS APR/2003

(a) Definitions. As used in this clause--

(1) "Commercial item," as used in this clause, has the meaning contained in the clause at 52.202-1, Definitions.

(2) "Subcontract," as used in this clause, includes a transfer of commercial items between divisions, subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

(b) To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

(c)

(1) The contractor shall insert the following clauses in subcontracts for commercial items:

(i) 52.219-8, Utilization of Small Business Concerns (OCT 2000)(15U.S.C. 637(d)(2) and (3)), in all subcontracts that offer subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$500,000 (\$1,000,000 for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(ii) 52.222-26, Equal Opportunity (APR 2002)(E.O. 11246);

(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212(a));

(iv) 52.222-36, Affirmative Action for Workers with Disabilities (JUN 1998)(29 U.S.C. 793);

(v) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (APR 2003) (46 U.S.C. Appx 1241 and 10 U.S.C. 2631) (flow down required in accordance with paragraph (d) of FAR clause 52.247-64).

(2) While not required, the Contractor may flow down to subcontracts for commercial items a minimum number of additional clauses necessary to satisfy its contractual obligations.

(d) The Contractor shall include the terms of this clause, including this paragraph (d), in subcontracts awarded under this contract.

[End of Clause]

I-73 52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES APR/1984

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of (DEVIATION) after the date of the clause.

(b) The use in this solicitation or contract of any DoD FAR Supplement (DFARS) (48 CFR 2) clause with an authorized deviation is indicated by the addition of (DEVIATION) after the name of the regulation.

[End of Clause]

I-74 252.204-7004 REQUIRED CENTRAL CONTRACTOR REGISTRATION NOV/2001

(a) Definitions. As used in this clause--

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- (1) Central Contractor Registration (CCR) database means the primary DoD repository for contractor information required for the conduct of business with DoD.
- (2) Data Universal Numbering System (DUNS) number means the 9-digit number assigned by Dun and Bradstreet Information Services to identify unique business entities.
- (3) Data Universal Numbering System +4 (DUNS+4) number means the DUNS number assigned by Dun and Bradstreet plus a 4-digit suffix that may be assigned by a parent (controlling) business concern. This 4-digit suffix may be assigned at the discretion of the parent business concern for such purposes as identifying subunits or affiliates of the parent business concern.
- (4) Registered in the CCR database means that all mandatory information, including the DUNS number or the DUNS+4 number, if applicable, and the corresponding Commercial and Government Entity (CAGE) code, is in the CCR database; the DUNS number and the CAGE code have been validated; and all edits have been successfully completed.
- (b)
- (1) By submission of an offer, the offeror acknowledges the requirement that a prospective awardee must be registered in the CCR database prior to award, during performance, and through final payment of any contract resulting from this solicitation, except for awards to foreign vendors for work to be performed outside the United States.
- (2) The offeror shall provide its DUNS or, if applicable, its DUNS+4 number with its offer, which will be used by the Contracting Officer to verify that the offeror is registered in the CCR database.
- (3) Lack of registration in the CCR database will make an offeror ineligible for award.
- (4) DoD has established a goal of registering an applicant in the CCR database within 48 hours after receipt of a complete and accurate application via the Internet. However, registration of an applicant submitting an application through a method other than the Internet may take up to 30 days. Therefore, offerors that are not registered should consider applying for registration immediately upon receipt of this solicitation.
- (c) The Contractor is responsible for the accuracy and completeness of the data within the CCR, and for any liability resulting from the Government's reliance on inaccurate or incomplete data. To remain registered in the CCR database after the initial registration, the Contractor is required to confirm on an annual basis that its information in the CCR database is accurate and complete.
- (d) Offerors and contractors may obtain information on registration and annual confirmation requirements by calling 1-888-227-2423, or via the Internet at <http://www.ccr.gov>.

[End of Clause]

- I-75 252.247-7023 TRANSPORTATION OF SUPPLIES BY SEA MAY/2002
- (a) Definitions. As used in this clause--
- (1) Components means articles, materials, and supplies incorporated directly into end products at any level of manufacture, fabrication, or assembly by the Contractor or any subcontractor.
- (2) Department of Defense (DoD) means the Army, Navy, Air Force, Marine Corps, and defense agencies.
- (3) Foreign flag vessel means any vessel that is not a U.S.-flag vessel.
- (4) Ocean transportation means any transportation aboard a ship, vessel, boat, barge, or ferry through international waters.
- (5) Subcontractor means a supplier, materialman, distributor, or vendor at any level below the prime contractor whose contractual obligation to perform results from, or is conditioned upon, award of the prime contract and who is performing any part of the work or other requirement of the prime contract. However, effective May 1, 1996, the term does not include a supplier, materialman, distributor, or vendor of commercial items or commercial components.
- (6) Supplies means all property, except land and interests in land, that is clearly identifiable for eventual use by or owned by the DoD at the time of transportation by sea.
- (i) An item is clearly identifiable for eventual use by the DoD if, for example, the contract documentation contains a reference to a DoD contract number or a military destination.

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(ii) Supplies includes (but is not limited to) public works; buildings and facilities; ships; floating equipment and vessels of every character, type, and description, with parts, subassemblies, accessories, and equipment; machine tools; material; equipment; stores of all kinds; end items; construction materials; and components of the foregoing.

(7) U.S.-flag vessel means a vessel of the United States or belonging to the United States, including any vessel registered or having national status under the laws of the United States.

- (b)
- (1) The Contractor shall use U.S.-flag vessels when transporting any supplies by sea under this contract.
 - (2) A subcontractor transporting supplies by sea under this contract shall use U.S.-flag vessels if-
 - (i) This contract is a construction contract; or
 - (ii) The supplies being transported are-
 - (A) Noncommercial items; or
 - (B) Commercial items that-
 - (1) The Contractor is reselling or distributing to the Government without adding value (generally, the Contractor does not add value to items that it subcontracts for f.o.b. destination shipment);
 - (2) Are shipped in direct support of U.S. military contingency operations, exercises, or forces deployed in humanitarian or peacekeeping operations; or
 - (3) Are commissary or exchange cargoes transported outside of the Defense Transportation System in accordance with 10 U.S.C. 2643.
- (c) The Contractor and its subcontractors may request that the Contracting Officer authorize shipment in foreign-flag vessels, or designate available U.S.-flag vessels, if the Contractor or a subcontractor believes that--
- (1) U.S.-flag vessels are not available for timely shipment;
 - (2) The freight charges are inordinately excessive or unreasonable; or
 - (3) Freight charges are higher than charges to private persons for transportation of like goods.
- (d) The Contractor must submit any request for use of other than U.S.-flag vessels in writing to the Contracting Officer at least 45 days prior to the sailing date necessary to meet its delivery schedules. The Contracting Officer will process requests submitted after such date(s) as expeditiously as possible, but the Contracting Officer's failure to grant approvals to meet the shipper's sailing date will not of itself constitute a compensable delay under this or any other clause of this contract. Requests shall contain at a minimum--
- (1) Type, weight, and cube of cargo;
 - (2) Required shipping date;
 - (3) Special handling and discharge requirements;
 - (4) Loading and discharge points;
 - (5) Name of shipper and consignee;
 - (6) Prime contract number; and
 - (7) A documented description of efforts made to secure U.S.-flag vessels, including points of contact (with names and telephone numbers) with at least two U.S.-flag carriers contacted. Copies of telephone notes, telegraphic and facsimile message or letters will be sufficient for this purpose.
- (e) The Contractor shall, within 30 days after each shipment covered by this clause, provide the Contracting Officer and the Division of National Cargo, Office of Market Development, Maritime Administration, U.S. Department of Transportation, Washington, DC

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20590, one copy of the rated on board vessel operating carrier's ocean bill of lading, which shall contain the following information--

- (1) Prime contract number;
- (2) Name of vessel;
- (3) Vessel flag of registry;
- (4) Date of loading;
- (5) Port of loading;
- (6) Port of final discharge;
- (7) Description of commodity;
- (8) Gross weight in pounds and cubic feet if available;
- (9) Total ocean freight in U.S. dollars; and
- (10) Name of the steamship company.

(f) The Contractor shall provide with its final invoice under this contract a representation that to the best of its knowledge and belief--

- (1) No ocean transportation was used in the performance of this contract;
- (2) Ocean transportation was used and only U.S.-flag vessels were used for all ocean shipments under the contract;

(3) Ocean transportation was used, and the Contractor had the written consent of the Contracting Officer for all non-U.S.-flag ocean transportation; or

(4) Ocean transportation was used and some or all of the shipments were made on non-U.S.-flag vessels without the written consent of the Contracting Officer. The Contractor shall describe these shipments in the following format:

ITEM	CONTRACT		
DESCRIPTION	LINE ITEMS	QUANTITY	TOTAL

(g) If the final invoice does not include the required representation, the Government will reject and return it to the Contractor as an improper invoice for the purposes of the Prompt Payment clause of this contract. In the event there has been unauthorized use of non-U.S.-flag vessels in the performance of this contract, the Contracting Officer is entitled to equitably adjust the contract, based on the unauthorized use.

(h) In the award of subcontracts for the types of supplies described in paragraph (b)(2) of this clause, the Contractor shall flow down the requirements of this clause as follows:

- (1) The Contractor shall insert the substance of this clause, including this paragraph (h) in all subcontracts that exceed the simplified acquisition threshold in Part 2 of the Federal Acquisition Regulation.
- (2) The Contractor shall insert the substance of paragraphs (a) through (e) of this clause, and this paragraph (h), in subcontracts that are at or below the simplified acquisition threshold in Part 2 of the Federal Acquisition Regulation.

[End of Clause]

I-76	52.204-4009 (TACOM)	MANDATORY USE OF CONTRACTOR TO GOVERNMENT ELECTRONIC COMMUNICATION	JUN/1999
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(a) All references in the contract to the submission of written documentation shall mean electronic submission. All electronic submissions shall be in the formats and media described in the "Electronic Quotations/Offers/Bids Required in Response to this Request for Quotations/Proposals/Bids" clause elsewhere in this document. (See Section K for commercial acquisitions, Section L for RFPs, and Section I for RFQs.)

(b) This shall include all written unclassified communications between the Government and the Contractor except contract awards and contract modifications which shall be posted on the internet. Return receipt shall be used if a commercial application is available.

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Name of Offeror or Contractor:

Classified information shall be handled in full accordance with the appropriate security requirements.

(c) In order to be contractually binding, all Government communications requiring a Contracting Officer signature must be sent from the Contracting Officer's e-mail address. The Contractor shall designate the personnel with signature authority who can contractually bind the contractor. All binding contractor communication shall be sent from this contractor e-mail address(es).

(d) Upon award, the Contractor shall provide the Contracting Officer with a list of e-mail addresses for all administrative and technical personnel assigned to this contract.

(e) Unless exempted by the Procuring Contracting Officer in writing, all unclassified written communication after contract award shall be transmitted electronically.

[End of Clause]

Name of Offeror or Contractor:

SECTION J - LIST OF ATTACHMENTS

<u>List of</u> <u>Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number</u> <u>of Pages</u>	<u>Transmitted By</u>
Exhibit A	CONTRACT DATA REQUIREMENTS LIST (CDRL) DD FORM 1423			
Exhibit B	DATA ITEM DESCRIPTION (DD FORM			

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Name of Offeror or Contractor:

SECTION K - REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
K-1	52.222-38	COMPLIANCE WITH VETERANS' EMPLOYMENT REPORTING REQUIREMENTS	DEC/2001
K-2	252.209-7001	DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A TERRORIST COUNTRY per DoD interim rule, Federal Register 27 Mar 98	MAR/1998
K-3	252.227-7028	TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT	JUN/1995
K-4	52.203-11	CERTIFICATION AND DISCLOSURE REGARDING PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	APR/1991

(a) The definitions and prohibitions contained in the clause, at FAR 52.203-12, Limitation on Payments to Influence Certain Federal Transactions, included in this solicitation, are hereby incorporated by reference in paragraph (b) of this certification.

(b) The offeror, by signing its offer, hereby certifies to the best of his or her knowledge and belief that on or after December 23, 1989 that:

(1) No Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan or cooperative agreement:

(2) If any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with this solicitation, the offeror shall complete and submit, with its offer, OMB standard form LLL, Disclosure of Lobbying Activities, to the Contracting Officer: and

(3) He or she will include the language of this certification in all subcontract awards at any tier and require that all recipients of subcontract awards in excess of \$100,000 shall certify and disclose accordingly.

(c) Submission of this certification and disclosure is a prerequisite for making or entering into this contract imposed by section 1352, title 31, United States Code. Any person who makes an expenditure prohibited under this provision or who fails to file or amend the disclosure form to be filed or amended by this provision, shall be subject to a civil penalty of not less than \$10,000, and not more than \$100,000, for each such failure.

[End of Provision]

K-5	52.204-3	TAXPAYER IDENTIFICATION	OCT/1998
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(a) Definitions.

(1) Common parent, as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

(2) Taxpayer Identification Number (TIN), as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

[] TIN:_____

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[] TIN has been applied for.

[] TIN is not required because:

[] Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

[] Offeror is an agency or instrumentality of a foreign government;

[] Offeror is an agency or instrumentality of the Federal Government.

(e) Type of organization.

[] Sole proprietorship;

[] Partnership;

[] Corporate entity (not tax-exempt);

[] Corporate entity (tax-exempt);

[] Government entity (Federal, State, or local);

[] Foreign government;

[] International organization per 26 CFR 1.6049-4;

[] Other:

(f) Common parent.

[] Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

[] Name and TIN of common parent:

Name: _____

TIN: _____

[End of Provision]

K-6 52.204-5 WOMEN-OWNED BUSINESS OTHER THAN SMALL BUSINESS MAY/1999

(a) Definition. Women-owned business concern, as used in this provision, means a concern that is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

(b) Representation. Complete only if the offeror is a women-owned business concern and has not represented itself as a small business concern in paragraph (b)(1) of FAR 52.219-1, Small Business Program Representation, of this solicitation. The offeror represents that it [] is a women-owned business concern.

[End of Provision]

K-7 52.204-6 DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER JUN/1999

(a) The offeror shall enter, in the block with its name and address on the cover page of its offer, the annotation "DUNS" followed by the DUNS number that identifies the offeror's name and address exactly as stated in the offer. The DUNS number is a nine-digit number assigned by Dun and Bradstreet Information Services.

(b) If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one. A DUNS number will be provided immediately by telephone at no charge to the offeror. For information on obtaining a DUNS number, the offeror, if located within the United States, should call Dun and Bradstreet at 1-800-333-0505. The offeror should be prepared to provide the following

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Name of Offeror or Contractor:

information:

- (1) Company name.
- (2) Company address.
- (3) Company telephone number.
- (4) Line of business.
- (5) Chief executive officer/key manager.
- (6) Date the company was started.
- (7) Number of people employed by the company.
- (8) Company affiliation.

(c) Offerors located outside the United States may obtain the location and phone number of the local Dun and Bradstreet Information Services office from the Internet home page at <http://www.customerservices@dnb.com>. If an offeror is unable to locate a local service center, it may send an e-mail to Dun and Bradstreet at globalinfo@mail.dnb.com.

[End of Provision]

K-8 52.209-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, DEC/2001
AND OTHER RESPONSIBILITY MATTERS

(a) (1) The Offeror certifies, to the best of its knowledge and belief, that--

(i) The Offeror and/or any of its Principals--

- (A) ☐ are
☐ are not

presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

- (B) ☐ Have
☐ have not
within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

- (C) ☐ Are
☐ are not

presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision.

(ii) The Offeror

- ☐ has
☐ has not

within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

This Certification Concerns a Matter Within the Jurisdiction of an Agency of the United States and the Making of a False, Fictitious, or Fraudulent Certification May Render the Maker Subject to Prosecution Under Section 1001, Title 18, United States Code.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

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(End of Provision)

K-9 52.215-6 PLACE OF PERFORMANCE OCT/1997

(a) The offeror or respondent, in the performance of any contract resulting from this solicitation,

- [] intends
[] does not intend

(Check applicable block)

to use one or more plants or facilities located at a different address from the address of the offeror or respondent as indicated in this proposal or response to request for information.

(b) If the offeror or respondent checks intends in paragraph (a) of this provision, it shall insert in following spaces the required information:

Place of Performance (Street
Address, City, County, State,
ZIP code)

Name and Address of Owner and
Operator of the Plant or Facility if
Other than Offeror or Respondent.

_____	_____
_____	_____
_____	_____

[End of Provision]

K-10 52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS FEB/1999

The offeror represents that--

- (a) It [] has
[] has not

participated in a previous contract or subcontract subject either to the EQUAL OPPORTUNITY clause of this solicitation, the clause originally contained in Section 310 of Executive Order No. 10925, or the clause contained in Section 201 of Executive Order No. 11114:

- (b) It [] has
[] has not

filed all required compliance reports; and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

[End of Provision]

K-11 52.222-25 AFFIRMATIVE ACTION COMPLIANCE APR/1984

The offeror represents that

- (a) It [] has developed and has on file,
[] has not developed and does not have on file,

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at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or

(b) It [] has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

[End of Provision]

K-12 252.225-7000 BUY AMERICAN ACT - BALANCE OF PAYMENTS PROGRAM CERTIFICATE APR/2003

(a) Definitions. "Domestic end product," "foreign end product," "qualifying country," and "qualifying country end product" have the meanings given in the Buy American Act and Balance of Payments Program clause of this solicitation.

(b) Evaluation. The Government-

 (1) Will evaluate offers in accordance with the policies and procedures of Part 225 of the Defense Federal Acquisition Regulation Supplement; and

 (2) Will evaluate offers of qualifying country end products without regard to the restrictions of the Buy American Act or the Balance of Payments Program.

(c) Certifications and identification of country of origin.

 (1) For all line items subject to the Buy American Act and Balance of Payments Program clause of this solicitation, the offeror certifies that-

 (i) Each end product, except those listed in paragraphs (c)(2) or (3) of this provision, is a domestic end product; and

 (ii) Components of unknown origin are considered to have been mined, produced, or manufactured outside the United States or a qualifying country.

 (2) The offeror certifies that the following end products are qualifying country end products:

Line Item Number	Country of Origin
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(3) The following end products are other foreign end products:

Line Item Number	Country of Origin (If known)
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_____	_____	_____
_____	_____	_____

[End of Provision]

K-13 252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA AUG/1992

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term supplies is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) Representation. The Offeror represents that it--

 [] Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

 [] Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

[End of Provision]

K-14 52.204-4007 OFFEROR'S DATAFAX NUMBER, E-MAIL ADDRESS, AND CAGE CODE MAR/2001

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(TACOM)

(a) If you have a data fax number, please provide it below.

(b) If you have a company Internet address that we can use in the future when sending out electronic notices and possibly solicitations, please provide the complete e-mail address below.

(c) Provide your CAGE (Contractor And Government Entity) code below. If you don't have a CAGE code for your specific company name and address, enter NONE in the space below, and apply to Central Contractor Registration at the following website:
<http://www.ccr2000.com/>

[End of Provision]

K-15 52.215-4010 AUTHORIZED NEGOTIATORS JAN/1998
(TACOM)

Please identify, below, the representatives that are authorized to negotiate on your organization's behalf with the Government in connection with this request for proposals or request for information:

PERSONS AUTHORIZED TO NEGOTIATE

<u>NAME</u>	<u>TITLE</u>	<u>TELEPHONE NUMBER</u>
_____	_____	_____
_____	_____	_____

[End of Provision]

K-16 52.223-4002 USE OF CLASS I OZONE-DEPLETING SUBSTANCES (CIODS) DEC/1993
(TACOM)

(a) Definitions.

(1) Class I Ozone-Depleting Substances (CIODS) refers to the class of substances identified in Section 602(a) of the Clean Air Act, (42 U.S.C. 7671a(a)), as reproduced below:

- (i) chlorofluorocarbon-11 (CFC-11)
- (ii) chlorofluorocarbon-12 (CFC-12)
- (iii) chlorofluorocarbon-13 (CFC-13)
- (iv) chlorofluorocarbon-111 (CFC-111)
- (v) chlorofluorocarbon-112 (CFC-112)
- (vi) chlorofluorocarbon-113 (CFC-113)
- (vii) chlorofluorocarbon-114 (CFC-114)
- (viii) chlorofluorocarbon-115 (CFC-115)
- (ix) chlorofluorocarbon-211 (CFC-211)
- (x) chlorofluorocarbon-212 (CFC-212)
- (xi) chlorofluorocarbon-213 (CFC-213)
- (xii) chlorofluorocarbon-214 (CFC-214)
- (xiii) chlorofluorocarbon-215 (CFC-215)
- (xiv) chlorofluorocarbon-216 (CFC-216)
- (xv) chlorofluorocarbon-217 (CFC-217)
- (xvi) halon-1211
- (xvii) halon-1301

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- (xviii) halon-2402
- (xix) carbon tetrachloride
- (xx) methyl chloroform
- (xxi) Methyl bromide
- (xxii) hydrobromofluorocarbons (HBFCs)
- (xxiii) All isomers of the substances listed in this paragraph (a)(1) except for 1,1,2-trichloroethane, which is an isomer of methyl chloroform.

(2) Directly requires the use of CIODS means that the Government's specification or technical data package, at any tier, explicitly requires the use of any Class I Ozone-Depleting Substance (CIODS) in performance of the contract.

(3) Indirectly requires the use of CIODS means that the Government's specification or technical data package, while not explicitly requiring the use of any CIODS, does require a feature that you can meet or produce only by the use of CIODS.

(b) Per Section 326 of Public Law 102-484, the Department of Defense cannot award any contract that directly or indirectly requires the use of CIODS unless (i) the use of such substances is essential for contract performance, and (ii) no suitable substitute for the CIODS currently is available.

(c) Before releasing this solicitation, we conducted a best effort review of its technical requirements, standards, and specifications, to see if any contain requirements for CIODS. If we identified any such CIODS requirements, they are identified in subparagraph (d)(1) below.

(1) In addition, to help TACOM meet its obligations under Public Law 102-484, we ask you for input. If you have any special knowledge about any CIODS requirements that our specifications impose, whether directly or indirectly, or if you know about potential substitutes for any CIODS required by our specifications, we would appreciate the information.

(2) It should be understood that you are not obligated to give us the information requested by this provision, and that we cannot provide any separate or special payment for doing so. However, we are asking only for information based on knowledge that is readily available to you as a supplier in this industry. We do not expect you to do any review of our specifications more extensive than the one you perform in order to develop your price.

(d) Please summarize your own review of our specification/technical data package, by completing the following:

(1) During our review of the specification or technical data package in this solicitation, we--

- ☐ have
- ☐ have not

found any direct requirements to use any CIODS. (If have is checked above, offerors are asked to identify, on the following lines, (i) any specifications and standards not already listed immediately below that directly require the use of CIODS; (ii) the CIODS required by the listed specifications and standards; and (iii) whether any substitutes are known to be available for the listed CIODS.)

<u>Spec/Standard</u>	<u>Required CIODS</u>	<u>Substitute Available?</u>
<div></div>	<div></div>	<div></div>
<div></div>	<div></div>	<div></div>

(2) Further, in our review of the specification or technical data package in this solicitation, we--

- ☐ have
- ☐ have not

found any indirect requirements to use any CIODS. (Offerors who check have above are asked to identify, on the following lines, (i) the specifications and standards for this acquisition that indirectly require the use of CIODS; (ii) the CIODS indirectly required by each listed specification and standard; and (iii) whether any substitutes are known to be available for the listed CIODS.)

<u>Spec/Standard</u>	<u>Required CIODS</u>	<u>Substitute Available?</u>
<div></div>	<div></div>	<div></div>
<div></div>	<div></div>	<div></div>

(e) Offerors who check have in paragraphs (d)(1) or (2) above also are requested to say whether substitutes are known to be available for any of the CIODS. If an available substitute would perform less well than the CIODS would perform, please let us know

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what the technical trade-offs are to the extent that you have such information available.

(f) If you checked have in paragraphs (d)(1) or (2) above, and also indicated that substitutes for CIODS are available, we need to know whether use of the suggested substitute would have any effect on your proposed price. If your proposal price for compliance with our current specifications differs from what your price would be if the substitute for CIODS were required, we ask that you let us know what the difference would be in Section B of this solicitation, by giving us two prices or offers:

--One price/offer, labeled with CIODS, will be the offered price in the event that CIODS are used.

--The second price/offer, labeled without CIODS, will be the price offered if substitutes for CIODS are used, and will specify the substitute(s) being proposed for use.

(g) Section 326 of Public Law 102-484 reflects the national and international interest in minimizing the use of CIODS. For this reason, TACOM reserves the right to (i) determine the suitability of substitutes for CIODS when such potential substitutes are available; and (ii) change the specification in any contract awarded as a result of this solicitation, to require the use of suitable substitutes in lieu of CIODS.

[End of Provision]

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SECTION L - INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this address: <http://farsite.hill.af.mil/>

[End of Provision]

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
L-1	52.211-2	AVAILABILITY OF SPECIFICATIONS LISTED IN THE DOD INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) AND DESCRIPTIONS LISTED IN THE ACQUISITION MANAGEMENT SYSTEMS AND DATA REQUIREMENTS CONTROL LIST, DOD 5010.12-L	DEC/1999
L-2	52.214-34	SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE	APR/1991
L-3	52.214-35	SUBMISSION OF OFFERS IN U.S. CURRENCY	APR/1991
L-4	52.215-1	INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITIONS (ALTERNATE I (OCT 1997) AND ALTERNATE II (OCT 1997))	MAY/2001
L-5	52.215-16	FACILITIES CAPITAL COST OF MONEY	OCT/1997
L-6	252.204-7001	COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE REPORTING	AUG/1999
L-7	252.209-7003	COMPLIANCE WITH VETERANS' EMPLOYMENT REPORTING REQUIREMENTS	MAR/1998
L-8	52.216-1	TYPE OF CONTRACT	APR/1984

The Government contemplates award of a cost reimbursement contract resulting from this solicitation.
(End of provision)

L-9	52.233-2	SERVICE OF PROTEST	AUG/1996
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(a) Protests, as defined in Section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgement of receipt from:

U.S. Army Tank-automotive and Armaments Command ATTN: AMSTA-AQ, Associate Deputy for Contracting (Protest Coordinator) Warren, MI 48397-5000	or	HQ, Army Materiel Command Office of Command Counsel ATTN: AMCCC-PL 5001 Eisenhower Avenue Alexandria, VA 22333-0001 Facsimile number (703) 617-5680/617-4999 Voice number (703) 617-8176
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The AMC-Level protest procedures are found at: www.amc.army.mil/amc/command_counsel/protest/protest.html.

If Internet access is not available, contact the Contracting Officer or HQ, AMC to obtain the AMC-Level Protest Procedures.

Telegraphic transmission of protest will not be authorized, unless specifically approved by the PCO.

(b) The copy of any protest shall be received in the U.S. Army Tank-automotive and Armaments Command office designated above within one day of filing a protest with the GAO.

[End of Provision]

L-10	52.233-4001 (TACOM)	HQ-AMC LEVEL PROTEST PROCEDURES	MAY/2000
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(a) Policy: A protest to an AMC forum is a protest to the agency, within the meaning of FAR 33.103. The HQ, AMC-Level Protest Program is intended to encourage an interested party to seek resolution of its concerns within AMC, rather than filing a protest with the General Accounting Office (GAO), or other external forum.

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(b) Agency Protest: An AMC Protest may be filed with either, but not both:

- (1) The contracting officer designated in the solicitation for resolution of protests, or,
- (2) HQ, AMC at the address designated below.

(c) Election of Forum: After an interested party protests an AMC procurement to HQ, AMC and while that protest is pending, the protestor agrees not to file a protest with the GAO, or other external forum. If the protestor has filed a protest with the GAO, or other external forum, HQ, AMC-Level protest procedures may not be used and any protest that has been filed will be dismissed.

(d) Protest Decision Authority: The AMC Command Counsel is designated as the HQ, AMC Protest Decision Authority. In the absence of the Command Counsel, the Deputy Command Counsel is designated as the HQ, AMC Protest Decision Authority.

(e) Time for Filing a Protest: HQ, AMC protest shall be filed in accordance with the timeframes set out in FAR 33.103(e). HQ, AMC Office Hours are 8:00 am--4:30 pm Eastern Time. Time for filing any document expires at 4:30 pm, Eastern Time on the last day on which such filing may be made.

(f) Form of Protest: HQ, AMC protest shall include the protestor's name, address and telephone number, including fax number; the solicitation or contract number, identity of the contracting activity and the contracting officer's name; a statement of all legal and factual grounds for protest, including copies of all relevant documents; a request for a ruling; and, a request for relief. All protests must be signed by an authorized representative of the protestor.

(g) Processing of HQ, AMC-Level Protests:

- (1) To file an AMC-level protest, send the protest to:

HQ Army Materiel Command
Office of Command Counsel
ATTN: AMCCC-PL
5001 Eisenhower Ave.
Alexandria, VA 22333-0001

If you have a web browser, you can use the following HTTP to view the complete AMC-level protest procedures:
<http://www.amc.army.mil/amc/cc/protest.html>

(2) Within 10 working days after the protest is filed, the Contracting Officer, with the assistance of legal counsel, shall file with the HQ, AMC Office of Command Counsel, ATTN: AMCCC-PL, an administrative report responsive to the protest. Reports shall be sent by facsimile, over-night mail or hand-delivered, to ensure timely receipt.

(3) The HQ, AMC Protest Decision Authority will issue a written decision within 20 working days after the filing of the protest.

- (4) The written decision will be binding on the Army Materiel Command and its contracting activities.

(5) For good cause shown, the HQ, AMC Protest Decision Authority may grant extensions of time for filing the administrative report and for the issuance of the written decision. When such an extension is granted, the protestor and all interested parties shall be notified within 1 working day of the decision to grant the extension.

(h) Effect of Protest on Award and Performance:

(1) Protests before award: When a protest is filed with HQ, AMC prior to award, a contract may not be awarded unless authorized by the Assistant Deputy Chief of Staff (ADCS) for Acquisition, Contracting and Production Management, HQ, AMC, in accordance with FAR 33.103(f).

(2) Protests after award: When a protest is filed with HQ, AMC within 10 calendar days after award, or within five calendar days of debriefing for any debriefing that when requested was required by FAR 15.806, the contracting officer shall suspend performance. The HQ, AMC ADCS for Acquisition, Contracting and Production Management may authorize contract performance, notwithstanding the protest, upon a written finding that:

-- contract performance will be in the best interests of the United States; or

-- urgent and compelling circumstances that significantly affect the interests of the United States will not permit waiting for a decision from the HQ, AMC Protest Decision Authority.

(i) Remedies: The HQ, AMC Protest Decision Authority may grant any one or combination of the following remedies:

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Name of Offeror or Contractor:		

- (1) terminate the contract;
- (2) re-compete the requirement;
- (3) issue a new solicitation;
- (4) refrain from exercising options under the contract;
- (5) award a contract consistent with statute and regulation;
- (6) pay appropriate costs as stated in FAR 33.102(b)(2); and
- (7) such other remedies as HQ, AMC Protest Decision Authority determines necessary to correct a defect.

[End of Provision]

L-11 52.215-4003 HANDCARRIED OFFERS - INCLUDING OFFERS DELIVERED BY EXPRESS SERVICES DEC/2002
 (TACOM) (NON-US POSTAL SERVICE MAIL)

- (a) Handcarried offers shall be addressed to:

US Army Tank-automotive and Armaments Command
 Acquisition Center
 Bid Lobby - Building 231, AMSTA-AQ-AMAD
 East 11 Mile Road
 Warren, MI. 48397-0001

- (b) Offers shall not be addressed to an individual buyer. All offers must be addressed to the Bid Lobby at the above address.

(c) The external delivery envelope or wrapper must be marked with the solicitation number and the date and time of the solicitation closing. Each envelope should contain only one offer.

(d) Handcarried offers must be delivered to the TACOM Receiving Dock in Building 249. Directions to TACOM: From Van Dyke Avenue, travel westbound on 11 Mile Road; enter the first Arsenal gate immediately west of the railroad tracks on the north side of the street. Take an immediate right and follow security officer directions to the Receiving Dock in Building 249. The driver may need to obtain a visitors badge, and must be a US citizen. The Government will forward the package to the Bid Lobby address in Building 231.

(e) Offerors must ensure that the commercial carrier they use has a tracking system that can provide documentation of the date and time of delivery to the Government. For handcarried offers delivered by other than a commercial carrier, the offeror must ensure that the delivery person obtains a signature from Receiving Dock personnel on a receipt that shows the date and time of delivery to the Government. The delivery person must provide the receipt since Receiving Dock personnel do not have them.

- (f) Packages must be delivered to Building 249 between the hours of 8:00 am and 3:00 pm local time.

[End of Provision]

L-12 52.215-4404 DATA AND COMMUNICATIONS SUBMITTED TO THE GOVERNMENT ELECTRONICALLY MAY/2002

(a) The Government often employs contractors as system administrators to operate and maintain Government computer systems. These systems include local area networks, web sites, databases, other electronic records, e-mail accounts, other electronic data transfer mechanisms and computer software. The employees of these contracted system administrators sign nondisclosure agreements obligating them not to reveal information contained in files, documents, computers or systems that they administer. However, unless such information is protected in some way, contracted system administrators do have the ability to access such information.

(b) Potential contractors as well as any other parties are thus advised to take steps needed to prevent access by contracted system administrators to information submitted electronically to the Government. Absent such steps, it is assumed that contracted system administrators are permitted the capability to access the data. The access will be limited to that which is necessary for the contract system administrator to perform its duties for the Government. The access shall be subject to the condition that third party information is not to be revealed by the contracted system administrator.

[End of Provision]

<p align="center">CONTINUATION SHEET</p>	<p align="center">Reference No. of Document Being Continued</p> <p align="center">PIIN/SIIN W56HZV-04-R-0132 MOD/AMD</p>	<p align="center">Page 35 of 37</p>
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Name of Offeror or Contractor:

L-13	52.215-4850 (TACOM)	ELECTRONIC OFFERS REQUIRED IN RESPONSE TO THIS SOLICITATION	MAR/2003
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(a) You must submit your offer via paperless electronic media (See Paragraph (b) below.). Unless paper copies are specifically requested elsewhere in this solicitation (in Section L), offers submitted in paper form are unacceptable. You must submit your electronic offer, and any supplemental information (such as spreadsheets, backup data, and technical information), using any of the following electronic formats:

(1) Files readable using these Office XP or Microsoft* 97 Office Products (TACOM can currently read OFFICE 97* and lower.): Word, Excel, Powerpoint, or Access. Spreadsheets must be sent in a file format that includes all formulae, macro and format information. Print image is not acceptable. Executable files are unacceptable.

(2) Files in Adobe PDF (Portable Document Format). Scanners should be set to 200 dots per inch.

(3) Files in HTML (Hypertext Markup Language). HTML documents must not contain active links to live Internet sites or pages. All linked information must be contained within your electronic offer and be accessible offline.

(4) Other electronic formats. Before preparing your offer in any other electronic format, please e-mail the buyer identified in Block 10 of the solicitation cover sheet (Government Standard Form 33), with e-mail copy-furnished to amsta-idq@tacom.army.mil, to obtain a decision as to the format's acceptability. This e-mail must be received by the buyer not later than ten calendar days before the closing date. Failure to e-mail the buyer within this timeframe to seek an alternate format's acceptability may result in rejection of your offer. All alternate methods must be at no cost to the Government.

NOTE (Compression): The above formats may be submitted in compressed form using Winzip*. Self-extracting files are not acceptable. Check with the buyer before using any product other than Winzip for file compression.

NOTE (Hyperlinks): Documents [submitted using any of the above formats] must not contain active links (hyperlinks) to any other documents that are not contained in the proposal. This includes links to live Internet web sites or web pages. All linked information must be contained within your electronic offer and be accessible offline.

NOTE (Macros): The virus scanning software used by our email systems cannot always distinguish a macro from a virus. Therefore, sending a macro embedded in an email message or an email attachment may cause the email offer to be quarantined. In that event subparagraphs (f) and (g) apply.

(b) Acceptable media: You must submit your offer via 100 megabyte or 250 megabyte Zip*-disk, or 3 1/2 inch disk, or 650 megabyte CD ROM, E-mail, or datafax. Identify the software application, and version, that you used to create each file submitted. The word "datafax" used in this clause means "facsimilie" as defined at FAR 52.215-5.

(1) 100 OR 250 MEGABYTE ZIP*-DISK, 3 1/2 INCH DISK, OR 650 MEGABYTE CD ROM via U.S. Mail or other carrier. Offerors shall label any and all submitted disks with the solicitation number and closing date, and the offeror's name and address and contact phone number. Envelopes containing disks must be labeled per FAR 52.215-1(c), found within the provision, "Instructions to Offerors--Competitive Acquisition", listed in Section L. Your attention is also called to the entirety of that provision--all contained therein is applicable to paperless electronic offers. In the event of multiple submitted offers, place each offer/submission on its own disk(s)(one offer can comprise multiple disks). You must also submit only one offer/submission per envelope. Notwithstanding language in Block 9 of the SF 33 cover sheet of this solicitation that may state otherwise, submit ONLY ONE (1) of each disk (no additional copies required). If you will be sending your CD or ZIP disks by any method other than US Postal Service, see the Section L provision 52.215-4003 (TACOM), entitled "Handcarried Offers," for delivery instructions.

(2) E-MAIL. If you choose to use e-mail, address your offer to offers@tacom.army.mil. DO NOT E-MAIL OFFERS TO THE BUYER. THE SUBJECT LINE OF THE E-MAIL MUST READ: "OFFER--[solicitation number], [name of Company/offeror], CLOSES [closing date]". Maximum size of each e-mail message shall be three and one-half (3.5) megabytes. Use the file compression described in the NOTE in paragraph (a) above. You may use multiple e-mail messages for each offer/submission, however, you must annotate the subject lines as described above for each message, and number them in this manner: "Message 1 of 3, 2 of 3, 3 of 3".

(3) DATAFAX. Faxed offers MUST BE SENT TO TACOM'S NETWORK FAX SERVER ON 1-586-574-5527. DO NOT FAX OFFERS TO THE BUYER. SIMILARLY, DO NOT ADDRESS THE FAX TO THE BUYER. YOU MUST ADDRESS THE FAX TO THE ATTENTION OF offers@tacom.army.mil AS THIS IS THE LOCATION WHERE YOUR FAX MUST BE RECEIVED. THE COVER PAGE OF THE FAX MUST CLEARLY INDICATE THAT THE FAX SHOULD BE SENT TO offers@tacom.army.mil.

Paper faxes are not acceptable. Transmit only one offer for each datafax transaction. Clearly identify the offer as such on your fax cover page or via your PC, include your company's name, and state the proper internal TACOM address: offers@tacom.army.mil. Offerors may send a fax using a personal computer or standalone fax machine, but it must be sent to the above number. If you use a standalone fax machine, you won't receive a confirmation of receipt. See paragraph (e) below for the minimum requirements of your offer. Maximum size of datafax offers is three and one-half megabytes (3.5MB), the same limitation as that for e-mail offers. For your datafax, use the same subject line as that for e-mails as indicated above: "OFFER--[solicitation number], [name of your Company/offeror], CLOSES [closing

<p align="center">CONTINUATION SHEET</p>	<p align="center">Reference No. of Document Being Continued</p> <p align="center">PIIN/SIIN W56HZV-04-R-0132 MOD/AMD</p>	<p align="right">Page 36 of 37</p>
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Name of Offeror or Contractor:

date]".

Unless specifically instructed otherwise in this solicitation, select only one medium by which to transmit each offer. For instance, do not submit an offer via 100 or 250 megabyte Zip*-disk AND e-mail.

(c) Lateness rules for submitted disks, e-mail, or datafax submissions are outlined in FAR 52.215-1, "Instructions to Offerors--Competitive Acquisition", listed in Section L of this solicitation. Pay particular attention to paragraph (c)(3) of that clause as it relates to the timing of e-mail or datafax submissions.

(d) Security Note: If you choose to password-protect access to your offer, you must provide the password to TACOM at least ten days prior to submitting the protected file. Contact the buyer to arrange a means of providing the password. Passwords used only for the purpose of write protecting files need not be provided.

(e) Electronic offers must include, as a minimum:

(1) The SF33 cover sheet filled out. SIGNATURE: For offers submitted via disk or CD ROM per (b)(1) above, this SF 33 cover sheet must be signed and included electronically in your disk or CD. Clearly label the disc/CD ROM as described in paragraph (b)(1) above, adding the name and title of the signer authorizing your company, your company name, and then sign the LABEL itself. Datafaxed offers also must include a signed SF 33 cover sheet. E-mailed offers must also include a signed SF 33 cover sheet that can be either faxed or scanned. If faxed to the TACOM Network Fax Server (1-586-574-5527), you must annotate that it is being submitted together with your e-mailed offer. If scanned, attach it to your e-mail offer (or first e-mail message if you are sending multiple e-mails due to length).

(2) All applicable fill-in provisions from Sections A, B, F, and K of this solicitation. You may find Word versions of Section K provisions requiring your fill-in on our TACOM Business Opportunities webpage (<http://contracting.tacom.army.mil/mastersol/sectionk.htm>). You can fill them in and attach them to your offer. See the solicitation for which provisions are required. Also, Section E provisions filled in (if applicable): Inspection Point: Origin, TACOM clause 52.246-4028. All applicable fill-ins must be completed and submitted by the offeror.

(3) A statement of agreement to all the terms, conditions, and provisions of this solicitation.

(4) Any other information required by the solicitation.

(f) Please see FAR 15.207(c) for a description of the steps the Government shall take with regard to unreadable offers.

(g) Offerors shall make every effort to ensure that their offer is virus-free. Offers (or portions thereof) submitted which DO reflect the presence of a virus, or which are otherwise rendered unreadable by damage in either physical or electronic transit, shall be treated as "unreadable" per paragraph (f) above.

*Registered trademark

[End of Provision]

L-14	52.219-4003	HELP FOR SMALL, DISADVANTAGED AND WOMAN-OWNED FIRMS	JUN/1997
	(TACOM)		

(a) Procurement Technical Assistance Centers (PTACs). The Federal Government has established over 100 PTACs around the nation to help small vendors do business with the Defense Department and other Government agencies. PTACs offer most of their services FREE OF CHARGE.

(b) PTACs provide their clients with...

- marketing advice
- information on sales opportunities and partnering prospects
- help with preparing offers
- matching your firm's services and products to Government requirements
- copies of Government specifications (sometimes for a fee)
- post-award guidance
- referrals to other business assistance resources
- newsletters, which typically discuss Government policy changes and upcoming seminars and trade fairs

(c) To find the PTAC nearest you, visit <http://www.dla.mil.ddas.default.htm> on the World Wide Web.

[End of Provision]

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-R-0132 MOD/AMD	Page 37 of 37
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Name of Offeror or Contractor:

L-15 52.233-4000 NOTICE REGARDING TACOM OMBUDSPERSON AND AMC-LEVEL PROTEST PROGRAM AUG/1999
(TACOM)

(a) At the Tank-automotive and Armaments Command (TACOM) we have an ombudsperson office, which builds an extra communication avenue that our contractors can use.

(b) If you think that this solicitation contains inappropriate requirements, needs streamlining, or should be changed, you should first contact the buyer or the Procuring Contracting Officer (PCO).

(c) The buyer's name and phone number are on the cover page (SF 1449) of this solicitation in block number 7.

(d) If the buyer or PCO doesn't respond to the problem to your satisfaction, or if you want to make comments anonymously, you can contact the Ombudsperson's Office. Our Ombudsperson is Ms. LaRuth Shepherd. Her address, e-mail and phone number are:

U.S. Army TACOM
AMSTA-AQ-C (Ms. Shepherd)
Warren, MI 48397-5000

shepherl@tacom.army.mil

(586) 574-6597 or 6547

(e) If you contact Ms. Shepherd, please provide her with the following information:

- (1) TACOM solicitation number;
- (2) Name of PCO;
- (3) Problem description;
- (4) Summary of your discussions with the buyer/PCO.

(f) Another avenue you can use, if you wish to protest some feature of this acquisition, is to protest to TACOM's headquarters, the Army Materiel Command. The AMC-level protest program encourages interested parties to seek resolution of their concerns within AMC as an Alternative Dispute Resolution forum, rather than filing a protest with the General Accounting Office or other external forum. Contract award or performance is suspended during an AMC-level protest to the same extent, and within the same time periods, as would apply to a protest filed with the GAO. The AMC program has a goal of resolving protests within 20 working days from the date of filing. To be timely, AMC-level protests must be filed within the periods specified in subpart 33.103 of the Federal Acquisition Regulation.

(g) To file an AMC-level protest, send the protest to:

HQ Army Materiel Command
Office of Command Counsel
ATTN: AMCCC-PL
5001 Eisenhower Ave.
Alexandria, VA 22333-0001

Voice Phone: (703)-617-8176
Fax Phone: (703)-617-4999 or 5680.

If you have a web-browser, you can use the following HTTP to view the complete AMC-level protest procedures:

www.amc.army.mil/amc/command_counsel/protest/protest.html

[End of Provision]

A. CONTRACT LINE ITEM NO: 0001 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: E. CONTRACT/PR NO.: F. CONTRACTOR:

1. DATA ITEM NO. A001 2. TITLE OF DATA ITEM: Contractor's Progress, Status and Management Report 3.
SUBTITLE: Progress Reports
4. AUTHORITY DI-MGMT-80227 (T) 5. CONTRACT REFERENCE: Section C.4.1 6. REQUIRING OFFICE: AMSTA-TR-R
7. DD250 REQ: 8. APP CODE: 9. DIST. STATEMENT REQUIRED: 10. FREQUENCY: See Block 16
11. AS OF DATE: See Block 16 12. DATE OF FIRST SUB: See Block 16 13. DATE OF SUBS. SUB: See Block 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

Robert Karlsen, karlsenr@tacom.army.mil <<mailto:karlsenr@tacom.army.mil>> 1
Contracting Officers Representative (COR)
Rosalie Williamson, williaro@tacom.army.mil <<mailto:williaro@tacom.army.mil>> 1
Contract Specialist,
Andrew Cole, Administrative Contracting Officer, <colea@onr.navy.mil> 1

15. TOTAL: 1*

*In distributing the electronic report, according to the schedule in Block 16 below, the Contractor shall deliver one (1) copy to the Government, sent to Robert Karlsen, Rosalie Williamson and Andrew Cole e-mail addresses.

16. REMARKS:

- a. The contractor shall deliver bi-monthly progress reports. The first report by sixty days after the contract award date.
- b. Complete the report in accordance with (IAW) Data Item Description (DID) DI-MGMT-80227, "Contractor's Progress, Status, and Management Reports". The COR is responsible for accepting or rejecting the "Contractor's Progress, Status, and Management Reports". See DID DI-MGMT-80227, at the Internet address below, for instructions on completing the required report.

<http://astimage.daps.dla.mil/docimages/0001\48\17\DI80227.PD8>

Note Tailoring: Delete paragraphs 10.3g, k, and l from DID DI-MGMT-80227.

- c. Prepare the reports in the Contractor's format. Submit the reports using any of the following electronic formats:

(1) Files readable using these Microsoft* 97 Office Products (TACOM can currently read OFFICE 97* and lower): Word, Excel, PowerPoint, or Access. Spreadsheets must be sent in a file format that includes all formulas, macro and format information. Print image is not acceptable. Executable files, other than self-extracting compressed files, are unacceptable.

(2) Files in Adobe PDF (Portable Document Format). Scanners should be set to 200 dots per inch.

(3) Files in HTML (Hypertext Markup Language). HTML documents must not contain active links to live Internet sites or pages. All linked information must be contained within your electronic report and be accessible offline.

(4) Other electronic formats. Before preparing your report in any other electronic format, please e-mail the COR, with an e-mail copy furnished to amsta-idg@tacom.army.mil <<mailto:amsta-idg@tacom.army.mil>>, to obtain a decision as to the format's acceptability. This email must be received by the COR not later than ten calendar days before the draft report's due date. All alternative methods must be at no cost to the Government.

NOTES: (a) The above formats may be submitted in compressed form using self-extracting files.

(b) Files may be read-only, password protected.

d. Acceptable media: The Contractor shall submit reports via e-mail. If e-mail is not workable, other acceptable media include 100 or 250 Megabyte Zip*-disk, 3.5 inch disk, or 650 megabyte CD-ROM. Identify the software application and version used to create each file submitted.

(1) E-Mail. Maximum size of each e-mail message shall be three and one-half (3.5) megabytes. Any compressed files must be self extracting and you must provide appropriate instructions. You may use multiple e-mail messages if necessary, however, you must annotate the subject lines in this manner: "Message 1 of 3, 2 of 3, 3 of 3".

(2) 100 or 250 MEGABYTE ZIP*-DISK, 3.5 INCH DISK, OR 650 MEGABYTE CD ROM via U.S. Mail or other carrier. The Contractor shall label all submitted disks with the Contract number, the Contractor's name, address and a contact's phone number.

NOTE: Please select only one medium by which to transport each report. For instance, do not submit a report via email and 100 megabyte Zip*-disk.

* Registered Trademark

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

MOD/AMD

ATT/EXH ID

PAGE 3

1. DATA ITEM NO. A002 2. TITLE OF DATA ITEM: Systems Requirement Document
 3. SUBTITLE: Initial System Requirements Document
 4. AUTHORITY: 5. CONTRACT REFERENCE: C.4.2 6. REQUIRING OFFICE: AMSTA-TR-R
 7. DD250 REQ: DD 8. APP CODE: 9. DIST. STATEMENT REQUIRED: 10. FREQUENCY:
 11. AS OF DATE: See Block 16 12. DATE OF FIRST SUB: See Block 16 13. DATE OF SUBS.SUB: See Block 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

Robert Karlsen, karlsenr@tacom.army.mil <<mailto:karlsenr@tacom.army.mil>> 1
 Contracting Officers Representative (COR)
 Rosalie Williamson, williaro@tacom.army.mil <<mailto:williaro@tacom.army.mil>> 1
 Contract Specialist,
 Andrew Cole, Administrative Contracting Officer, colea@onr.navy.mil <<mailto:colea@onr.navy.mil>> 1

15. TOTAL: 1*

*In distributing the electronic report, according to the schedule in Block 16 below, the Contractor shall deliver one (1) copy to the Government, sent to Robert Karlsen, Rosalie Williamson and Andrew Cole e-mail addresses.

16. REMARKS:

a. The Contractor shall deliver one (1) draft "Initial System Requirements Document" one (1) month after contract award. This document shall address the information referenced in Section C.2.1. The COR shall review the draft "Initial System Requirements Document" and return it to the contractor within seven (7) days of receipt with comments. The contractor shall submit one (1) final "Initial System Requirements Document" with fourteen (14) days after receipt of draft comments.

b. Prepare the reports in the Contractor's format. Submit the reports using any of the following electronic formats:

(1) Files readable using these Microsoft* 97 Office Products (TACOM can currently read OFFICE 97* and lower): Word, Excel, PowerPoint, or Access. Spreadsheets must be sent in a file format that includes all formulas, macro and format information. Print image is not acceptable. Executable files, other than self-extracting compressed files, are unacceptable.

(2) Files in Adobe PDF (Portable Document Format). Scanners should be set to 200 dots per inch.

(3) Files in HTML (Hypertext Markup Language). HTML documents must not contain active links to live Internet sites or pages. All linked information must be contained within your electronic report and be accessible offline.

(4) Other electronic formats. Before preparing your report in any other electronic format, please e-mail the COR, with an e-mail copy furnished to amsta-idg@tacom.army.mil <<mailto:amsta-idg@tacom.army.mil>>, to obtain a decision as to the format's acceptability. This email must be received by the COR not later than ten calendar days before the draft report's due date. All alternative methods must be at no cost to the Government.

NOTES: (a) The above formats may be submitted in compressed form using self-extracting files.

(b) Files may be read-only, password protected.

c. Acceptable media: The Contractor shall submit reports via e-mail. If e-mail is not workable, other acceptable media include 100 or 250 Megabyte Zip*-disk, 3.5 inch disk, or 650 megabyte CD-ROM. Identify the software application and version used to create each file submitted.

(1) E-Mail. Maximum size of each e-mail message shall be three and one-half (3.5) megabytes. Any compressed files must be self extracting and you must provide appropriate instructions. You may use multiple e-mail messages if necessary, however, you must annotate the subject lines in this manner: "Message 1 of 3, 2 of 3, 3 of 3".

(2) 100 or 250 MEGABYTE ZIP*-DISK, 3.5 INCH DISK, OR 650 MEGABYTE CD ROM via U.S. Mail or other carrier. The Contractor shall label all submitted disks with the Contract number, the Contractor's name, address and a contact's phone number.

NOTE: Please select only one medium by which to transmit each report. For instance, do not submit a report via email and 100 megabyte Zip*-disk.

* Registered Trademark

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

MOD/AMD

ATT/EXH ID

PAGE 4

1. DATA ITEM NO. A003 2. TITLE OF DATA ITEM: System Design Document
 3. SUBTITLE: Initial System Design Document
 4. AUTHORITY 5. CONTRACT REFERENCE: Section C.4.3 6. REQUIRING OFFICE: AMSTA-TR-R
 7. DD250 REQ: DD 8. APP CODE: 9. DIST. STATEMENT REQUIRED: 10. FREQUENCY: See Block 16
 11. AS OF DAT 12. DATE OF FIRST SUB: See Block 16 13. DATE OF SUBS. SUB: See Block 16

14. DISTRIBUTION	A. ADDRESSEES	B. COPIES	DRAFT	FINAL
Robert Karlsen,	karlsenr@tacom.army.mil <mailto:karlsenr@tacom.army.mil>			1
Contracting Officers Representative (COR)				
Rosalie Williamson,	williaro@tacom.army.mil <mailto:williaro@tacom.srmy.mil>			1
Contract Specialist,				
Andrew Cole, Administrative Contracting Officer,	colea@onr.navy.mil <mailto:colea@onr.navy.mil>			1
15. TOTAL:				1*

*In distributing the electronic report, according to the schedule in Block 16 below, the Contractor shall deliver one (1) copy to the Government, sent to Robert Karlsen, Rosalie Williamson and Andrew Cole e-mail addresses.

16. REMARKS:

a. The Contractor shall deliver one (1) draft "Initial System Design Document" three (3) months after contract award. This document shall address the information referenced in Section C.2.1. The COR shall review the draft "Initial System Design Document" and return it to the contractor within seven (7) days of receipt with comments. The contractor shall submit one (1) final "Initial System Design Document" within fourteen (14) days after receipt of draft comments.

b. Prepare the reports in the Contractor's format. Submit the reports using any of the following electronic formats:

(1) Files readable using these Microsoft* 97 Office Products (TACOM can currently read OFFICE 97* and lower): Word, Excel, PowerPoint, or Access. Spreadsheets must be sent in a file format that includes all formulas, macro and format information. Print image is not acceptable. Executable files, other than self-extracting compressed files, are unacceptable.

(2) Files in Adobe PDF (Portable Document Format). Scanners should be set to 200 dots per inch.

(3) Files in HTML (Hypertext Markup Language). HTML documents must not contain active links to live Internet sites or pages. All linked information must be contained within your electronic report and be accessible offline.

(4) Other electronic formats. Before preparing your report in any other electronic format, please e-mail the COR, with an e-mail copy furnished to amsta-idg@tacom.army.mil <mailto:amsta-idg@tacom.army.mil>, to obtain a decision as to the format's acceptability. This email must be received by the COR not later than ten calendar days before the draft report's due date. All alternative methods must be at no cost to the Government.

NOTES: (a) The above formats may be submitted in compressed form using self-extracting files.

(b) Files may be read-only, password protected.

c. Acceptable media: The Contractor shall submit reports via e-mail. If e-mail is not workable, other acceptable media include 100 or 250 Megabyte Zip*-disk, 3.5 inch disk, or 650 megabyte CD-ROM. Identify the software application and version used to create each file submitted.

(1) E-Mail. Maximum size of each e-mail message shall be three and one-half (3.5) megabytes. Any compressed files must be self extracting and you must provide appropriate instructions. You may use multiple e-mail messages if necessary, however, you must annotate the subject lines in this manner: "Message 1 of 3, 2 of 3, 3 of 3".

(2) 100 or 250 MEGABYTE ZIP*-DISK, 3.5 INCH DISK, OR 650 MEGABYTE CD ROM via U.S. Mail or other carrier. The Contractor shall label all submitted disks with the Contract number, the Contractor's name, address and a contact's phone number.

NOTE: Please select only one medium by which to transmit each report. For instance, do not submit a report via email and 100 megabyte Zip*-disk.

* Registered Trademark

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

MOD/AMD

ATT/EXH ID

PAGE 5

1. DATA ITEM NO. A004 2. TITLE OF DATA ITEM: System Requirement Document
 3. SUBTITLE: Final System Requirements Document
 4. AUTHORITY 5. CONTRACT REFERENCE: C.4.4 6. REQUIRING OFFICE: AMSTA-TR-R
 7. DD250 REQ: DD 8. APP CODE: DIST. STATEMENT REQUIRED: 10. FREQUENCY: See Block 16
 11. AS OF DATE: See Block 16 12. DATE OF FIRST SUB: See Block 16 13. DATE OF SUBS.SUB: See Block 16

14. DISTRIBUTION	A. ADDRESSEES	B. COPIES	DRAFT	FINAL
Robert Karlsen,	karlsenr@tacom.army.mil <mailto:karlsenr@tacom.army.mil>	1		
Contracting Officers Representative (COR)				
Rosalie Williamson,	williaro@tacom.army.mil <mailto:williaro@tacom.army.mil>	1		
Contract Specialist,				
Andrew Cole, Administrative Contracting Officer,	colea@onr.navy.mil <mailto:colea@onr.navy.mil>	1		
		15. TOTAL:	1*	

*In distributing the electronic report, according to the schedule in Block 16 below, the Contractor shall deliver one (1) copy to the Government, sent to Robert Karlsen, Rosalie Williamson and Andrew Cole e-mail addresses.

16. REMARKS:

a. The Contractor shall deliver one (1) draft "Final System Requirements Document" one (1) month after contract award. This document shall address the information referenced in Section C.2.2. The COR shall review the draft "Final System Requirements Document" and return it to the contractor within seven (7) days of receipt with comments. The contractor shall submit one (1) final "Initial System Design Document" with fourteen (14) days after receipt of draft comments.

b. Prepare the reports in the Contractor's format. Submit the reports using any of the following electronic formats:

(1) Files readable using these Microsoft* 97 Office Products (TACOM can currently read OFFICE 97* and lower): Word, Excel, PowerPoint, or Access. Spreadsheets must be sent in a file format that includes all formulas, macro and format information. Print image is not acceptable. Executable files, other than self-extracting compressed files, are unacceptable.

(2) Files in Adobe PDF (Portable Document Format). Scanners should be set to 200 dots per inch.

(3) Files in HTML (Hypertext Markup Language). HTML documents must not contain active links to live Internet sites or pages. All linked information must be contained within your electronic report and be accessible offline.

(4) Other electronic formats. Before preparing your report in any other electronic format, please e-mail the COR, with an e-mail copy furnished to amsta-idg@tacom.army.mil <mailto:amsta-idg@tacom.army.mil>, to obtain a decision as to the format's acceptability. This email must be received by the COR not later than ten calendar days before the draft report's due date. All alternative methods must be at no cost to the Government.

NOTES: (a) The above formats may be submitted in compressed form using self-extracting files.

(b) Files may be read-only, password protected.

c. Acceptable media: The Contractor shall submit reports via e-mail. If e-mail is not workable, other acceptable media include 100 or 250 Megabyte Zip*-disk, 3.5 inch disk, or 650 megabyte CD-ROM. Identify the software application and version used to create each file submitted.

(1) E-Mail. Maximum size of each e-mail message shall be three and one-half (3.5) megabytes. Any compressed files must be self extracting and you must provide appropriate instructions. You may use multiple e-mail messages if necessary, however, you must annotate the subject lines in this manner: "Message 1 of 3, 2 of 3, 3 of 3".

(2) 100 or 250 MEGABYTE ZIP*-DISK, 3.5 INCH DISK, OR 650 MEGABYTE CD ROM via U.S. Mail or other carrier. The Contractor shall label all submitted disks with the Contract number, the Contractor's name, address and a contact's phone number.

NOTE: Please select only one medium by which to transmit each report. For instance, do not submit a report via email and 100 megabyte Zip*-disk.

* Registered Trademark

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

1. DATA ITEM NO. A005 2. TITLE OF DATA ITEM: System Design Document
 3. SUBTITLE: Final System Design Document
 4. AUTHORITY : 5. CONTRACT REFERENCE: C.4.5 6. REQUIRING OFFICE: AMSTA-TR-R
 7. DD250 REQ: DD 8. APP CODE: 9. DIST. STATEMENT REQUIRED: 10. FREQUENCY: See Block 16
 11. AS OF DATE: See Block 16 12. DATE OF FIRST SUB: See Block 16 13. DATE OF SUBS.SUB: See Block 16

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ATT/EXH ID

PAGE 6

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
 Robert Karlsen, karlsenr@tacom.army.mil <<mailto:karlsenr@tacom.army.mil>> 1
 Contracting Officers Representative (COR)
 Rosalie Williamson, williaro@tacom.army.mil <<mailto:williaro@tacom.army.mil>> 1
 Contract Specialist,
 Andrew Cole, Administrative Contracting Officer, colea@onr.navy.mil <<mailto:colea@onr.navy.mil>> 1
 15. TOTAL: 1

*In distributing the electronic report, according to the schedule in Block 16 below, the Contractor shall deliver one (1) copy to the Government, sent to Robert Karlsen, Rosalie Williamson and Andrew Cole e-mail addresses.

16. REMARKS:

a. The Contractor shall deliver one (1) draft "Final System Design Document" three (3) months after contract award. This document shall address the information referenced in Section C.2.2. The COR shall review the draft "Final System Design Document" and return it to the contractor within seven (7) days of receipt with comments. The contractor shall submit one (1) final "Final System Design Document" with fourteen (14) days after receipt of draft comments.

b. Prepare the reports in the Contractor's format. Submit the reports using any of the following electronic formats:

(1) Files readable using these Microsoft* 97 Office Products (TACOM can currently read OFFICE 97* and lower): Word, Excel, PowerPoint, or Access. Spreadsheets must be sent in a file format that includes all formulas, macro and format information. Print image is not acceptable. Executable files, other than self-extracting compressed files, are unacceptable.

(2) Files in Adobe PDF (Portable Document Format). Scanners should be set to 200 dots per inch.

(3) Files in HTML (Hypertext Markup Language). HTML documents must not contain active links to live Internet sites or pages. All linked information must be contained within your electronic report and be accessible offline.

(4) Other electronic formats. Before preparing your report in any other electronic format, please e-mail the COR, with an e-mail copy furnished to amsta-idg@tacom.army.mil <<mailto:amsta-idg@tacom.army.mil>>, to obtain a decision as to the format's acceptability. This email must be received by the COR not later than ten calendar days before the draft report's due date. All alternative methods must be at no cost to the Government.

NOTES: (a) The above formats may be submitted in compressed form using self-extracting files.

(b) Files may be read-only, password protected.

c. Acceptable media: The Contractor shall submit reports via e-mail. If e-mail is not workable, other acceptable media include 100 or 250 Megabyte Zip*-disk, 3.5 inch disk, or 650 megabyte CD-ROM. Identify the software application and version used to create each file submitted.

(1) E-Mail. Maximum size of each e-mail message shall be three and one-half (3.5) megabytes. Any compressed files must be self extracting and you must provide appropriate instructions. You may use multiple e-mail messages if necessary, however, you must annotate the subject lines in this manner: "Message 1 of 3, 2 of 3, 3 of 3".

(2) 100 or 250 MEGABYTE ZIP*-DISK, 3.5 INCH DISK, OR 650 MEGABYTE CD ROM via U.S. Mail or other carrier. The Contractor shall label all submitted disks with the Contract number, the Contractor's name, address and a contact's phone number.

NOTE: Please select only one medium by which to transmit each report. For instance, do not submit a report via email and 100 megabyte Zip*-disk.

* Registered Trademark

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

MOD/AMD

ATT/EXH ID

PAGE 7

1. DATA ITEM NO. A006 2. TITLE OF DATA ITEM: Scientific and Technical Report
 3. SUBTITLE: Interim Scientific and Technical Report
 4. AUTHORITY: DI-MISC-80711A 5. CONTRACT REFERENCE: C.4.6 6. REQUIRING OFFICE: AMSTA-TR-R
 7. DD250 REQ: DD 8. APP CODE: 9. DIST. STATEMENT REQUIRED: 10. FREQUENCY: See Block 16
 11. AS OF DATE: See Block 16 12. DATE OF FIRST SUB: See Block 16 13. DATE OF SUBS.SUB: See Block 16

14. DISTRIBUTION	A. ADDRESSEES	B. COPIES	DRAFT	FINAL
	Robert Karlsen, karlsenr@tacom.army.mil < mailto:karlsenr@tacom.army.mil >			1
	Contracting Officers Representative (COR)			
	Rosalie Williamson, williario@tacom.army.mil < mailto:williario@tacom.army.mil >			1
	Contract Specialist,			
	Andrew Cole, Administrative Contracting Officer, colea@onr.navy.mil < mailto:colea@onr.navy.mil >			1

15. TOTAL: 1

*In distributing the electronic report, according to the schedule in Block 16 below, the Contractor shall deliver one (1) copy to the Government, sent to Robert Karlsen, Rosalie Williamson and Andrew Cole e-mail addresses.

16. REMARKS:

- a. The Contractor shall deliver one (1) interim "Scientific and Technical Report" twelve (12) months after contract award.
- b. Complete the report in accordance with (IAW) Data Item Description (DID) DI-MISC-80711A, "Scientific and Technical Reports". The COR is responsible for accepting or rejecting the interim report. See data item description DI-MISC-80711A, at the Internet address below, for instructions on completing the required report.

<http://astimage.daps.dla.mil/docimages/0002\27\88\80711A.PD4> <<http://astimage.daps.dla.mil/docimages/0002\27\88\80711A.PD4>>

c. Prepare the reports in the Contractor's format. Submit the reports using any of the following electronic formats:

(1) Files readable using these Microsoft* 97 Office Products (TACOM can currently read OFFICE 97* and lower): Word, Excel, PowerPoint, or Access. Spreadsheets must be sent in a file format that includes all formulas, macro and format information. Print image is not acceptable. Executable files, other than self-extracting compressed files, are unacceptable.

(2) Files in Adobe PDF (Portable Document Format). Scanners should be set to 200 dots per inch.

(3) Files in HTML (Hypertext Markup Language). HTML documents must not contain active links to live Internet sites or pages. All linked information must be contained within your electronic report and be accessible offline.

(4) Other electronic formats. Before preparing your report in any other electronic format, please e-mail the COR, with an e-mail copy furnished to amsta-idg@tacom.army.mil <<mailto:amsta-idg@tacom.army.mil>>, to obtain a decision as to the format's acceptability. This email must be received by the COR not later than ten calendar days before the draft report's due date. All alternative methods must be at no cost to the Government.

NOTES: (a) The above formats may be submitted in compressed form using self-extracting files.

(b) Files may be read-only, password protected.

d. Acceptable media: The Contractor shall submit reports via e-mail. If e-mail is not workable, other acceptable media include 100 or 250 Megabyte Zip*-disk, 3.5 inch disk, or 650 megabyte CD-ROM. Identify the software application and version used to create each file submitted.

(1) E-Mail. Maximum size of each e-mail message shall be three and one-half (3.5) megabytes. Any compressed files must be self extracting and you must provide appropriate instructions. You may use multiple e-mail messages if necessary, however, you must annotate the subject lines in this manner: "Message 1 of 3, 2 of 3, 3 of 3".

(2) 100 or 250 MEGABYTE ZIP*-DISK, 3.5 INCH DISK, OR 650 MEGABYTE CD ROM via U.S. Mail or other carrier. The Contractor shall label all submitted disks with the Contract number, the Contractor's name, address and a contact's phone number.

NOTE: Please select only one medium by which to transmit each report. For instance, do not submit a report via email and 100 megabyte Zip*-disk.

* Registered Trademark

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

1. DATA ITEM NO. A007 2. TITLE OF DATA ITEM: Scientific and Technical Report
 3. SUBTITLE: Draft and Final Scientific and Technical Report
 4. AUTHORITY DI-MISC-80711A 5. CONTRACT REFERENCE: Section C.4.7 6. REQUIRING OFFICE: AMSTA-TR-R
 7. DD250 REQ:DD 8. APP CODE: 9. DIST. STATEMENT REQUIRED: 10. FREQUENCY: See Block 16
 11. AS OF DATE: See Block 16 12. DATE OF FIRST SUB: See Block 16 13. DATE OF SUBS.SUB: See Block 16

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14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

Robert Karlsen, karlsenr@tacom.army.mil <<mailto:karlsenr@tacom.army.mil>> 1
 Contracting Officers Representative (COR)
 Rosalie Williamson, williario@tacom.army.mil <<mailto:williario@tacom.army.mil>> 1
 Contract Specialist,
 Andrew Cole, Administrative Contracting Officer, colea@onr.navy.mil <<mailto:colea@onr.navy.mil>> 1

15. TOTAL: 1

*In distributing the electronic report, according to the schedule in Block 16 below, the Contractor shall deliver one (1) copy to the Government, sent to Robert Karlsen, Rosalie Williamson and Andrew Cole e-mail addresses.

16. REMARKS:

a. The Contractor shall deliver one (1) draft "Scientific and Technical Report" twenty three (23) months after contract award. The COR shall review the draft report and return it to the contractor within fourteen (14) days of receipt with comments. The contractor shall submit one (1) final "Scientific and Technical Report" within fourteen (14) days after receipt of draft comments.

b. Complete the report in accordance with (IAW) Data Item Description (DID) DI-MISC-80711A, "Scientific and Technical Reports". The COR is responsible for accepting or rejecting the interim report. See data item description DI-MISC-80711A, at the Internet address below, for instructions on completing the required report.

<http://astimage.daps.dla.mil/docimages/0002\27\88\80711A.PD4> <<http://astimage.daps.dla.mil/docimages/0002/27/88/80711A.PD>>

c. Prepare the reports in the Contractor's format. Submit the reports using any of the following electronic formats:

(1) Files readable using these Microsoft* 97 Office Products (TACOM can currently read OFFICE 97* and lower): Word, Excel, PowerPoint, or Access. Spreadsheets must be sent in a file format that includes all formulas, macro and format information. Print image is not acceptable. Executable files, other than self-extracting compressed files, are unacceptable.

(2) Files in Adobe PDF (Portable Document Format). Scanners should be set to 200 dots per inch.

(3) Files in HTML (Hypertext Markup Language). HTML documents must not contain active links to live Internet sites or pages. All linked information must be contained within your electronic report and be accessible offline.

(4) Other electronic formats. Before preparing your report in any other electronic format, please e-mail the COR, with an e-mail copy furnished to amsta-idg@tacom.army.mil <<mailto:amsta-idg@tacom.army.mil>>, to obtain a decision as to the format's acceptability. This email must be received by the COR not later than ten calendar days before the draft report's due date. All alternative methods must be at no cost to the Government.

NOTES: (a) The above formats may be submitted in compressed form using self-extracting files.

(b) Files may be read-only, password protected.

d. Acceptable media: The Contractor shall submit reports via e-mail. If e-mail is not workable, other acceptable media include 100 or 250 Megabyte Zip*-disk, 3.5 inch disk, or 650 megabyte CD-ROM. Identify the software application and version used to create each file submitted.

(1) E-Mail. Maximum size of each e-mail message shall be three and one-half (3.5) megabytes. Any compressed files must be self extracting and you must provide appropriate instructions. You may use multiple e-mail messages if necessary, however, you must annotate the subject lines in this manner: "Message 1 of 3, 2 of 3, 3 of 3".

(2) 100 or 250 MEGABYTE ZIP*-DISK, 3.5 INCH DISK, OR 650 MEGABYTE CD ROM via U.S. Mail or other carrier. The Contractor shall label all submitted disks with the Contract number, the Contractor's name, address and a contact's phone number.

NOTE: Please select only one medium by which to transmit each report. For instance, do not submit a report via email and 100 megabyte Zip*-disk.

* Registered Trademark

17. PRICE GROUP:

18 ESTIMATED TOTAL COST: